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Senator
Richard B. Russell

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Senator Richard B. Russell Succumbs.....	3
Volume Up - Acreage Down.....	4
Commission Highlights 1970	
Dixon Reelected Board Chairman.....	5
Teacher Institutes Scheduled	
Conservationist is 1970 WOTY.....	6
Pollution Advisory Available	
"Fire Weather" Text Published	
300 Millionth Seedling Planted.....	7
Mock Fire Simulates Real Thing.....	8-9
9,978 Forest Fires Suppressed.....	9
Forestry Faces and Places.....	10-11
Workshop Cultivates Conservationists.....	12
The Paper Oven.....	13
Logging The Foresters.....	14-15

Cruising The News

We're No Threat To Forests

Newspapers have done such a good job of alerting the public to the problems of pollution and misuse of natural resources that they have found them under the scrutiny of some conservationists.

Some are concerned by the idea that vast forests are wiped out to produce the nearly 10 million tons of newsprint this country consumes each year.

The Newsprint Information Council, composed of a group of Canadian newsprint mills, has checked into the situation. Canada supplies about two-thirds of all newsprint used in the United States.

The committee says it takes about 17 trees to make one ton of newsprint, but that the annual harvest, plus all losses to fire, insects and disease is less than half the annual forest growth.

"Like wheat," says the committee, "trees for newsprint are a renewable crop, although with a much longer growth cycle."

"Cutting down 17 trees merely makes room for 17 other trees to grow. Frequently they are better, straighter, fatter trees, more economically harvested."

It is good to know that we are in no danger of printing ourselves out of trees.

(From the Macon Telegraph)

Prevent Those Fires

Each year, according to National Safety Council statistics, farm fires result in the loss of 500 lives and \$200 million in property damage.

The Council particularly stresses prevention of farm fires since fire damage to farms and rural property is three to six times greater than in the average city fire.

Jack Burke, a program specialist in the Council's Farm Department, explains that it takes longer for fire fighters to get to the scene than it does in the average city.

A common problem on farms, according to the safety specialist, is clutter.

"Stuff piles up or is strewn about, offering an open invitation to fires - not to mention falls, cuts, bruises, shocks, splinters, and poisonings," Burke says.

Preventive measures, Burke says, are relatively simple if done routinely:

- Keep buildings free of unneeded combustible material and accumulations of chaff, straw and dust.
- Rid the farmstead of dry weeds, brush and old lumber.
- Keep paint rags in metal containers.
- Store farm fuels 40 or more feet from buildings.
- Keep small quantities of fuels in sturdy, well-marked metal containers.
- Burn rubbish at a safe distance from buildings and other combustibles, and only when the wind is calm.
- Check electrical systems and make necessary repairs.
- Watch smoking in buildings.
- Check daily the temperature of newly stored hay.
- Place portable heaters away from anything that could catch fire.
- Place fire extinguishers in buildings, and on tractors, self-propelled harvesting machinery and trucks.

(From the Jeff Davis County Ledger)

Senator Richard B. Russell Succumbs

nation to be accelerated. Senator Russell vigorously supported this program, and the subsequent financing of its annual operation which saw 2,153,843 acres planted nationally. It also provided for the expansion of old, and the construction of new tree seedling nurseries.

His interest in Forest Research, as governor of Georgia, continued in the United States Senate. Appropriations in this field have grown from 1.6 million dollars in 1933 to the present 41.2 million dollars. This program is evident throughout every area of our country. There is the Forest Products Laboratory at Madison, Wisc., and forest fire laboratories at Macon, Ga., Riverside, Calif. and Missoula, Mont. The development of the research tri-angle at Raleigh-Durham, N. C. and the Forestry Science Laboratory at the University of Georgia, Athens, are other examples.

The late Senator was a chief supporter of forest genetics, insect and disease control, the small watershed program and utilization.

An image, that has been taken to by young and old alike, Smokey Bear, received this leader's attention. He co-sponsored the Smokey Bear Act of 1952 that led to "Smokey" becoming a symbol of forest conservation protection and needs.

He not only was a champion for State and private programs, but to all programs of the U. S. Forest Service. Every piece of legislation of vital interest to national forest development, preservation and protection was given his support.

Senator Russell, at the time of his death, was chairman of the Senate Appropriations Committee and Senate Pro-tempore. He was looked upon as the most important and influential member of the U. S. Senate. An attribute to any public servant, he had the respect of all his colleagues regardless of party affiliation.

Senator Russell, the son of Richard B. and Ina Dillard Russell, was one of 15 children. He was part of a family that has made outstanding contributions to the nation and to the world in almost every major field. This includes religion, medicine, law, education, agriculture, military and government. The Russell family presents a shining example of those families who literally grew up with and made this country of ours great.



ator Richard B. Russell, 73, Georgian Senator, is dead.

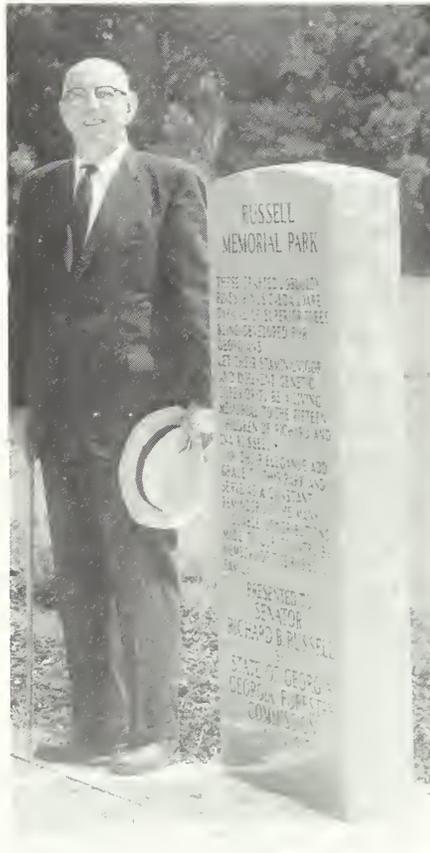
man, dedicated to his heritage, for decades of public service had nurtured and seen mature forestry and re-legislation in his own State and across this vast land of ours.

The Senator first began in his own career as a member of the Georgia Legislature. He supported legislation that established the State Board of Forestry in 1925. As governor of Georgia in 1931, Russell's efforts secured a \$100,000 grant from the General Assembly to match a \$50,000 donation by the National Foundation, Inc., to start the Forest Products Laboratory at Savannah.

The year 1933 saw the Barrow Counce take his seat in the United States Senate. There, he has supported and led and effectively worked for a better America.

During this 38 year period, he has legislated and been a part of every piece of legislation dealing with all phases of conservation in the development of our natural resources.

In the field of forest conservation, Senator Russell lent himself unselfishly to both State and private interest. Forest Protection, a program that is vital to us all, received his support under the Clark-McNary Act. At the time he came on the Washington scene, our CM2 appropriations totaled a mere 1.1 million dollars with 16.4 million dollars appropriated for 1970.



The Farm Forestry Program, that makes possible federal and State assistance in forest management on private lands, came into being with the backing of Senator Russell. The Cooperative Forest Management funds amount to more than 4.7 million dollars.

The 1956 Soil Bank Program permitted reforestation programs across our

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Georgia Forest Survey

S.E. Unit At Mid-Point



The forest survey of Georgia's 37.7 million acres is approximately one-third complete, according to the mid-February report of Thomas R. Bellamy, field supervisor for the survey.

Bellamy said that the southeastern section of the coastal plain, Unit One, is 47 percent complete. The survey is scheduled over a three year period. Bellamy stated that to complete the statewide survey will require visiting and tabulating conditions at 6,796 separate forest plots.

The survey team consists of five two-man units. The Georgia Forestry Commission is providing one man each on two of the units.

The survey field office is located at Jesup. The State headquarters for the survey field work is the Georgia Forest Research Council at the Georgia Forestry Center near Macon.

land area. The survey findings indicate that three out of every five of these acres have either been harvested, regenerated, treated, or disturbed since 1960. Approximately 790,000 acres were either harvested or thinned, and an estimated 250,000 acres were artificially reforested.

Although average stand density has increased both in terms of number of trees per acre and basal area per acre, one out of every three acres of commercial forest land is still either non-stocked or poorly stocked.

Area of commercial forest land owned by farmers has declined by one-third. Land clearing accounted for part of this decrease; however, most of the change is attributed to a shift in ownership from the farmer to the miscellaneous private class. Forest industry has increased its commercial forest holdings from 200,000 to 251,000 acres. In addition, forest industry has about 118,000 acres under long-term lease. Only one percent of the commercial forest land in Southwest Georgia is publicly owned.

The Georgia Forestry Commission and forest industry are assisting the Southeastern Station in the survey.

Volume Up - Acreage Down

The fourth survey of Georgia's timber resource, started in June 1970, is about 32 percent completed. New data have been released for Southwest Georgia, one of five Forest Survey Units, in a report, "Forest Statistics for Southwest Georgia, 1971".

Herbert A. Knight, associate resource analyst, Southeastern Forest Experiment Station, Asheville, N. C., states that the survey shows more timber volume but less commercial forest land.

The findings show that area of commercial forest land in the 22-county area has declined by 180,000 acres, or most six percent, since 1960. Over the same period, volume of growing stock timber increased by 581 million

cubic feet, or almost 27 percent, reversing a downward trend in volume between 1951 and 1960. Softwoods have accounted for 85 percent of this net increase in volume, with slash pine and loblolly pine making the greatest gains of all species.

In 1970, net growth of growing stock totaled 170 million cubic feet and exceeded removals by an estimated 52 million cubic feet, or 44 percent. Mortality caused by suppression, fire, weather, insects, disease, and other agents totaled almost 20 million cubic feet and reduced gross growth by 10 percent.

Area of commercial forest land in Southwest Georgia now totals about 2.9 million acres, or 51 percent of total

Commission Highlights 1970



An administrative program keyed to forest resource needs; 15 years of tree improvement work marked; forestry makes inroads in area development; and reduction in forest fire occurrence noted.

These highlights are reflected in the 1970 annual report of the Georgia Forestry Commission, Ray Shirley, director.

The administrative program was initiated in each county to answer service requests by the timberland owners. The program is geared to provide maximum use of technical foresters in providing forest management assistance, and increase the effective utilization of forest protection resources.

The Forestry Commission marked fifteen years of tree improvement work with the certification of 298.8 acres of seed orchards and its tree seed processing facilities by the Georgia Crop Improvement Association. This provided for the first production, anywhere, of improved "super" stock from certified seed. The total program was further enhanced with the transfer of the Baldwin State Forest from the State Board of Health to the Forestry Commission. Racial variation studies were implemented, and a seedling seed orchard established.

For the first time, the forester's technical knowledge and experience was utilized in area development. The Slash Pine Planning and Development Commission in Waycross and the Lake Lanier Island Development Authority each

have a forester assigned to their staffs. Technical assistance to urbanites continued through the Metro Forestry program. Statewide, 16,839 woodland owners were provided assistance on 986,951 forest acres.

For the second consecutive year, reductions were achieved in forest fire occurrence, two percent, and forest acreage burned, five percent. Only 39,499 forest acres were burned of the 24,066,400 forest acres protected.



The certification of 298.8 acres of seed orchards marked 15 years of Tree Improvement work by the Georgia Forestry Commission.

Dixon Reelected Board Chairman



Mayor Hugh M. Dixon of Vidalia has been reelected chairman of the Georgia Forestry Commission Board of Commissioners, announced Ray Shirley, Commission director. Dixon's reelection, at the Board's January meeting in Atlanta, marks the third time he has chaired this body.

Dixon, a member of the Board since February 1966, is a lumberman and timberland owner. The president of the Hugh Dixon Lumber Company is a director of the Georgia Forestry Association and a member of the Southern Pine Association.

The Board chairman is serving as president of the First District Georgia Municipal Association, and is a member of the State Chamber of Commerce and the Vidalia Chamber of Commerce.

Dixon heads a five man Board that supervises the Forestry Commission's programs. Shirley, in making the announcement, stated that the five member Board has given unselfishly of its time and counsel in all areas of Forestry Commission service.

Other members of the Board are: W. George Beasley, Lavonia; M. E. Garrison, Homer; L. H. Morgan, Fitzgerald; and Alexander Sessoms, Cogdell.

Teacher Institutes Scheduled



School teachers interested in learning more about conservation in Georgia and obtaining five quarter hours of college credit are urged to attend Georgia's sixth annual Natural Resource Institute.

There will be two three-week sessions held in 1971. The first institute is scheduled for June 14 - July 2 at Shorter College in Rome, and the second from June 21 - July 9 at Valdosta State

College.

The Natural Resources Institute may be used to fulfill requirements of additional study for teacher certification or certificate renewal.

Teaching will be held in indoor and outdoor classrooms. Area field trips will enable the students to see first-hand what the instructors discussed in class. The courses will be taught by specialists

Mrs. Jane Hurt Yarn is Atlanta's Woman of the Year for 1970.

The conservationist, on accepting the award sponsored by Lenox Square, Inc., challenged Georgians to "assume their share of stewardship" for the environment.

Last year, she developed a section of the Earth Day program at Georgia State University, initiated an environmental studies program at Lovett School, started an environmental quality camp for Girl Scout leaders and raised funds for Georgia teachers to attend natural resources institutes.

In 1969, she was instrumental in preserving Egg Island which was purchased as conservation property.

Mrs. Yarn is the wife of Dr. Charles Yarn, an Atlanta plastic surgeon. They have three children.

in their fields from the ranks of State, federal and industry personnel. Two widely known conservationists, Dr. Philip Greear, Shorter College, and Dr. Clyde Connell, Valdosta State College, will coordinate the institutes.

The purpose of the course is to give teachers an adequate background in conservation. Much emphasis is placed on classroom presentation of the material. The student-teachers are given a gold mine of information, materials and ideas to use with their own students. Past participants have found the course invaluable, not only in teaching natural resources, but history, social studies, natural science, geography and English.

The cost of the institute is \$160. The fee includes tuition, materials, room and board. In some cases, teachers may receive a grant-in-aid from the State Department of Education.

The tuition fee is provided by donors interested in conservation education.

The list of donors, headed by the National Science Foundation, includes women's, garden and sportsmen's clubs, industry, professional societies and civic organizations.

Applications may be obtained from Shorter and Valdosta State Colleges, Georgia Forestry Commission County Forestry Units, or by writing Frank E. Craven, chairman, Georgia Natural Resources Education Council, P. O. Box 819, Macon, Ga. 31202. The completed application is to be mailed to the college the student wishes to attend.

Mrs. Yarn

Conservationist

Is 1970

WOTY



Mrs. Jane H. Yarn

Pollution Advisory Available

Forestry interests, throughout Georgia, are the recipients of a new fire weather service, according to a joint announcement of Paul H. Hagerty, supervisor, Forestry Meteorologist, National Weather Service, and Ray Shirley, director, Georgia Forestry Commission, both of Macon.

Hagerty said the new service is in the form of an Air Pollution Potential Advisory. Hagerty emphasized that the advisory, in no way, tells the landowner to burn or not to burn. Rather, it is a matter of information for the landowner to use, along with local existing conditions, in determining whether he will burn or not, Hagerty pointed out.

Shirley said the purpose of the advisory is to enable those landowners, who are engaged in prescribed and control burning of their woodlands, to exercise judgment as to the impact of their activities on the atmosphere in relation to the air pollution problem.

An open letter, regarding the Air Pollution Potential Advisory, has been sent to all forestry interests in Georgia. The Forestry Commission will provide them this service at their request.

Shirley cited the addition of the advisory service as giving Georgia landowners the most complete fire weather data available.

“Fire Weather” Text Published

“Fire Weather”, a guide for the application of weather information to forest fire control, is a storm cloud out of the blue, according to Ray Shirley, director, Georgia Forestry Commission, Macon.

Shirley cited the concise and well illustrated, educational text as an added tool in the hands of forest fire prevention and suppression personnel everywhere. In this endeavor, where large amounts of funds are expended and major responsibility rests, such a publication has been desired and a long time in the making.

Since weather is the most single greatest factor in determining fire suppression action, the text's completeness makes for national and international use; its simplicity marks the publication for the classroom for both instructor and student; and its composition is designed for specific application, Shirley pointed out.

Though we think of fire prevention and suppression activities on a seasonal basis, weather is the seasons. Weather has its own character and dimensions, and where fire is present, fire assumes these ingredients to create dimensions and character of its own.

Shirley added that this handbook, jointly prepared by the Forest Service, U. S. Department of Agriculture and the Weather Bureau, Environmental Science Services Administration, and U. S. Department of Commerce, could be an invaluable crutch in our fire prevention and suppression campaigns against fire's sister companion, weather.

300 Millionth

Seedling Planted

The Savannah Woodlands Division of Union Camp Corporation has planted the Company's 300 millionth pine seedling as part of a ceremony celebrating the 103rd anniversary of the birth of Dr. Charles H. Herty.

The seedling was put into the ground December 4, 1970 at the Charles H. Herty Elementary School.

Dr. Herty, a native Georgian and distinguished scientist, is credited with pioneering the southern paper industry. He did this through his research with pulp from the Southern slash pine trees.

Union Camp's 300 millionth seedling was grown at the Company's nursery at Bellville, Ga., a facility which has been in operation since 1958. Annually, over 25 million seedlings are raised at this nursery.

Union Camp, whose huge Savannah Plant began operations in 1936, started planting seedlings in 1938 with 300,000 going into the ground that year. In 1960 the 100 millionth tree was planted and five years later the 200 millionth was set out.



John Hamner, regeneration supervisor, Union Camp Corporation, right, and Al Davenport, conservation forester, plant the company's 300 millionth pine seedling. Photo by Union Camp Corp.



Records Officer John Hammond kept personnel on the move.



The problem "Fire" originated from the headquarters' trailer.



Plans Boss George Collier and Intelligence Officer Ronald Kersey review fire intelligence data.



Communications Officer Henry Cannon keeps lines open between headquarters and the fire line.



George Shingler mounts an anemometer which provides wind data for fire suppression.



Chief Umpire Jim Turner wilyly introduces another obstacle to the "fire" problem.

Mock Fire Si

A mock fire destroyed between four and five thousand acres of valuable forests, and endangered another 40-50,000 acres during a recent fire fighting exercise conducted by the Georgia Forestry Commission.

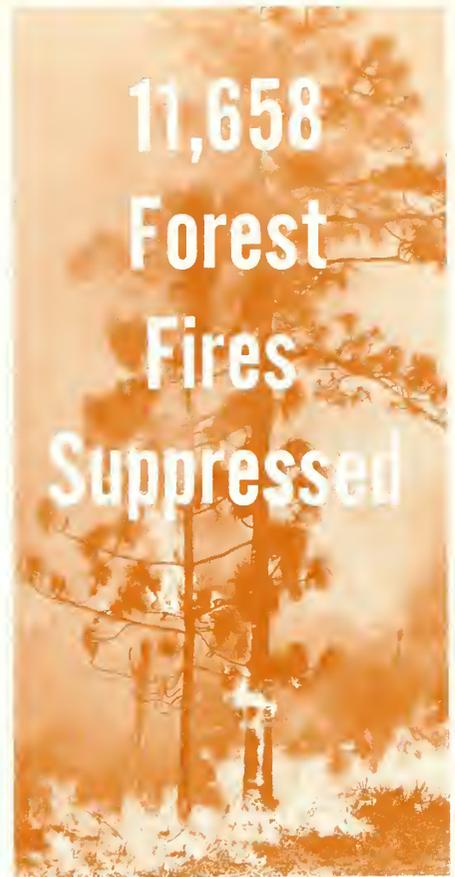
Commission Director Ray Shirley said the exercise was held to train State fire control command teams in project fire organization. He pointed out that the primary purpose of the drills was to combine personnel into an efficient team to battle forest fires. In addition, it provided training in the management of personnel and equipment on large fires under critical fire weather conditions, Shirley added.

The mock fire "roared" through the Hitchiti Experimental Forest and the Piedmont Wildlife Refuge near Monticello. The three day drill, utilizing teams, involved 33 personnel from the Commission's ten districts and headquarters in Macon.

The Commission's headquarters trailer was dispatched from the State headquarters. Technicians installed radio and field telephone systems to handle com-



Fire Boss Cash Harper, Ranger Billy Miles and Problem Coordinator Curtis Barnes discuss fire progress and needed action.



lates Real Thing

munications. Portable electric systems went into operation.

Personnel carried out their suppression actions utilizing telephone and radio communications in moving ground and air personnel and equipment from one location to another. The controller increased or lessened the fire's movement in accordance with fuel and weather conditions.

Referees threw in obstacles to make the exercise more realistic. Men were "injured" in the battle against the "flames" and equipment "breakdowns" plagued the fire bosses.

Following each day's problem, a critique was made. Through the problem analysis, errors are corrected and improved techniques are formulated.

James C. Turner, Jr., chief, Commission Forest Protection Division, was chief umpire for the fire problem. Curtis S. Barnes, associate chief, Forest Protection Division, coordinated plans for the "dry run" exercise.

Shirley termed the simulated operation "very successful" and excellent training for all personnel concerned.



Motor Equipment Officer Zack Seymour and Supply Officer William Partridge saw that "fire" fighting personnel were properly equipped.

The 1970 fire season saw 11,658 forest fires burn 55,668 acres. Approximately 45 percent of the fires and acreage burned occurred in a two month period, according to the calendar year summary.

James C. Turner, Jr., chief, Commission Forest Protection Division, stated that an unusually dry February, in north and central Georgia, resulted in the occurrence of 2,541 forest fires. This is more than twice the occurrence of February 1969. Acres burned during the period were 16,598 or about four times that of the same month in 1969.

Unusually high fire occurrence and dryness was experienced the last week of November and the first two weeks of December. A total of 649 fires occurred in November 1970, over 200 more than the same month in 1969. December occurrence was 2,051 fires, over 1,000 more than the 950 fires suppressed the previous December.

During the five day period, December 5-10, 1,244 forest fires burned 4,194 acres. Approximately 44 percent of the fires and 59 percent of acreage burned occurred in South Georgia.

In addition to forest fires, Commission personnel suppressed 2,107 non forest fires.

Forestry Face



► A symposium, on "The Role of Trees in the South's Urban Environment", attracted 200 conservationists from across the nation. Representing the four organizations that co-sponsored the symposium are, l-r, Ray Shirley, director, Georgia Forestry Commission, Macon; Ted Mahler, director, University of Georgia Center for Continuing Education, Athens; Frank Bailey, associate area director, U. S. Forest Service, Atlanta; and Dean A. M. Herrick, University of Georgia School of Forest Resources. For copies of the proceedings, contact Dr. Leonard Hampton, University of Georgia Center for Continuing Education. The four day symposium was held in Athens.



► Thomas C. Croker, Jr., top, Brewton, Ala., and Clarence E. Miller, Perry, Fla., were recipients of the 1970 Technical Awards presented at the joint meeting of the Southeastern Sections, Society of American Foresters and Forest Products Research Society. Croker, research forester, U. S. Forest Service, received the award for his research on the growing and management of longleaf pine. The award was presented by Ben C. Meadows, vice president, SAF, Atlanta. Miller, manager, Woodland Sales, Buckeye Cellulose Corp. was selected for outstanding service to the FPRS in the holding of local, State and national committee assignments as well as serving as past Section chairman. The award was presented by W. A. Gullicksen, president, FPRS, Chicago, Ill.



Baldwin County matches the State's figure in percentage of land area in forest acreage. There are 117,700 forest acres in Baldwin County which represents 69 percent of the land area.

► More than 90 percent of the forest

acreage is farmer-owned. Industry owned forest acreage exceeds 16 percent. The forest acreage has a growing volume of 225.1 million board feet of sawtimber and 1.3 million cords of pulpwood.

In 1969, there were 43,633 cords of round pulpwood produced. The highest productive year was 1965 when 55,104 cords were harvested. Since 1946, production has totaled 567,888 cords of round pulpwood.

There are 10 wood-using industries in the county employing approximately 220 people with a payroll of about \$911,488. The products of these industries include pulpwood, green, dressed and air dried lumber, chips, crates, pallets, boxes and dimension stock.

And Places



► Tilden Price, president, Ingleside Kiwanis Club, received, on behalf of the Club, a Commendation from the Georgia Forestry Commission. The award was presented by Smokey Bear during the Club's Farm-City Week program. The award was given for the Club's work with youth and its role in conserving the area's natural resources.

► For the 22nd consecutive year, Georgia led the South in value of pulpwood harvested, \$160.7 million. Purchases of pulpwood harvested in the South and delivered to 121 pulp and paper mills in 1969 totaled \$899,118,000. This is approximately 10 percent higher than 1968. The figures were released by the Southern Forest Institute.

► Ernst V. Brender, timber management researcher, Southeastern Forest Experiment Station, Macon, was named "Forest Conservationist of the Year" by the Georgia Sportsmen's Federation at its eleventh annual Governor's Awards Banquet in Thomasville.

Headquartered at the Eastern Tree Seed Laboratory, Brender is head of a research unit working to develop scientific information on the regeneration, growth, and harvesting of loblolly pine. Cultural and management techniques, he has developed and demonstrated on the Hitchiti Experimental Forest, have been widely adopted by forest industries.

The awards program of the Georgia Sportsmen's Federation is conducted in cooperation with the Sears-Roebuck Foundation.



Woodland Owner Alex Shellnut And Haralson-Polk Forest Ranger Spencer McGraw

► Jack and Alex Shellnut have been selected Farm Family of the Year for 1970 in Haralson County. The Shellnut Farm is about 2,000 acres in size with approximately 1,700 acres in woodland. They reclaimed about 200 acres of nonproductive land by controlling weed trees and planting with pine trees. They have 100 acres of planted pines. The Shellnuts market 800-1,000 cords of wood per year. The tree and cattle farmers were selected by the Haralson County Technical Action Panel. Tommy Mauldin, Rome District forester, and Spencer McGraw, ranger, Haralson-Polk Forestry Unit, both of the Georgia Forestry Commission, served on the panel along with representatives from the SCS and ASCS offices and the county agent.



► Officers and keynoter pause at the Southeastern Section, Society of American Foresters' meeting in Atlanta. They are, l-r, Chairman Tom Glass, superintendent, Procurement, Union Camp Corp., Prattville, Ala.; Keynoter Thomas F. Mitchell, executive representative, Georgia Pacific, Washington, D. C.; Past Chairman Al Davenport, district representative, Procurement, Union Camp Corp., Savannah; Secretary-Treasurer William L. Reno, consultant, Savannah; Vice-President Ben Meadows, consultant and Forestry Supplies, Atlanta.

Workshop Cultivates Conservationists

EDITOR'S NOTE: Applications are being taken for the tenth annual Natural Resources Conservation Workshop. The workshop will be held at Abraham Baldwin Agricultural College, Tifton, June 6-11. Workshop Director Sam G. Dunaway, Soil Conservation Service, Winder, said that applications may be obtained from Georgia Forestry Commission county forest rangers and district offices, Soil Conservation district supervisors, Soil Conservation work unit conservationists and Georgia Game and Fish Commission rangers and district offices.

One of Georgia's outstanding youth activities, the first of its type in the United States, is the Natural Resources Conservation Workshop. This annual educational activity is sponsored jointly by the Georgia Chapter, Soil Conservation Society of America and the Georgia Association of Conservation District Supervisors.

The workshop, held at Abraham Baldwin Agricultural College, Tifton, was started in 1962. Other colleges which have hosted this event are Berry College, Rome, and Georgia Southern College, Statesboro.

A total of 1,575 high school boys have graduated from this one-week workshop. These youths were carefully selected on the basis of interest in conservation and participation in various related club activities. Many Boy Scouts have used this opportunity to progress in their merit badge accomplishments. Scholarships for boys attending the workshop are sponsored locally in each county by civic clubs, banks, soil conservation districts, veterans' and women's organizations, and business concerns.

The purpose of the workshop is to instruct the students in the rudiments of conserving the natural resources. The boys study four major disciplines; Planning and Application of Soil and Water Conservation Practices on Rural and Urban Lands; Wildlife and Recreation; Forestry and Environment; and Research, Soils and Watersheds. An additional purpose is to stimulate interest in participating in and supporting conservation, or even, in some cases, creating the desire to become professional conservationists.

Pollution is a major cause of conservation. The Natural Resources Conservation Workshop sees to solve this problem by helping to create a quality

environment through conservation education. This can be summarized by the workshop yell, "Down with Pollution, Up with Conservation to build a better environment."

The week's activities include classroom lectures, outdoor land judging, and tours to observe conservation work. For the past two years, an all-day trip to the Okefenokee Swamp, near Waycross, has provided an unusual opportunity for observing and studying a wide variety of plants and wildlife.

A 1968 survey of workshop graduates showed that 50 percent attended or were enrolled in college and 20 percent have become professional conservationists or were engaged in farming or agribusiness.

Sam G. Dunaway, District Conservationist, Soil Conservation Service, Winder, is the workshop director. He has been assisted by A. P. Barnett, Agricul-

tural Service, and Charles B. Place, Jr., Georgia Forestry Commission.

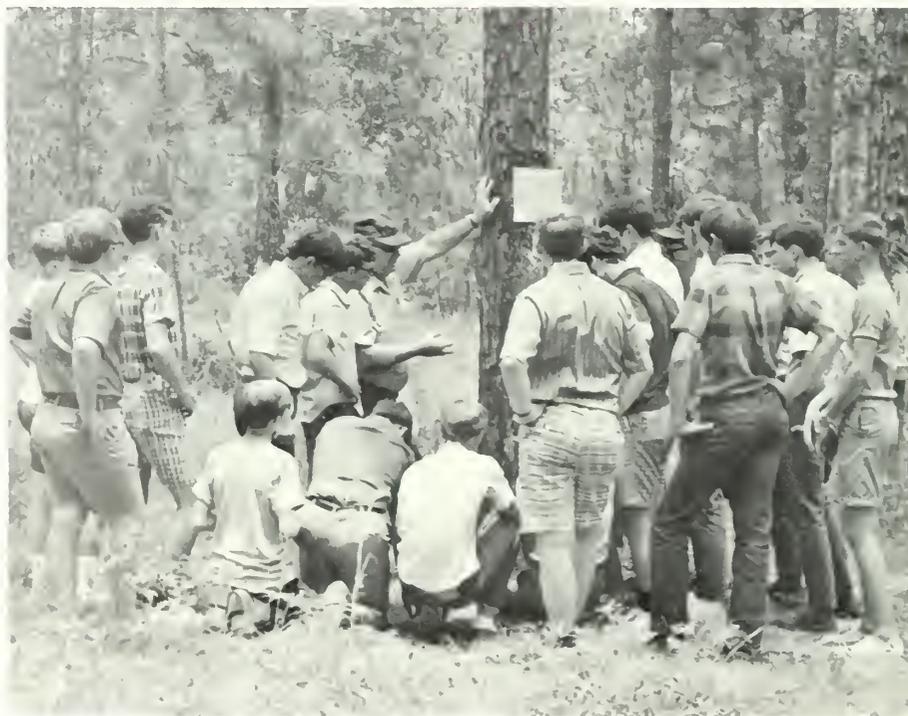
Instructors and Counselors for the workshop are furnished by the Soil Conservation Service, Georgia Game and Fish Commission, Georgia Forestry Commission, Agricultural Research Service, U. S. Forest Service and other cooperating agricultural agencies.

More than \$800 in prizes are awarded to outstanding students each year. The first place award, to the student making the highest score on all phases of conservation study, is a camera, a plaque, and a \$333 scholarship to any college of his choice in the University of Georgia System. The second place winner is awarded an automatic shotgun. Additional prizes are awarded top scorers in each phase of study.

Recreation is an intergral part of the program. Softball and swimming are favorite activities with prizes offered for competitive events. The highlight of the recreational program is a BIG dance on Wednesday night.

by:

W. Bailey Jones, Chairman
Workshop Information Committee
District Conservationist
SCS, Carnesville, Ga.



The Paper Oven



T.J. McConnell and first oven - The bowl is used to hold charcoal.

The culinary art has an added dimension, and the paper industry a new product.

Passing through the valley sections of White County, shouldered by the rising Blue Ridge Mountains, the kitchen aromas are caught in the awaking morning. This accentuates your anxiety to reach your destination and a look at and hopefully a sample from the "Paper Oven".

Out of Cleveland, you watch for Ga. 356 and then for the five mile post which marks a shady lane and the residence of T. J. McConnell, inventor and retired professor of Industrial Arts at the University of Florida.

The McConnell household is a picture of quiet but progressive resourcefulness with products of their inventiveness about, including the "paper oven" or Hillbilly Oven by trade name.

Mr. McConnell says the idea of the oven originated from the old dutch oven or deep skillet. The oven in its cylinder form, was unimpressively sitting on an eye of the stove, cooking, unknowingly to me, a roast.

As McConnell pointed out there is no odor, no boiling and no pressure as the maximum temperature is 190 degrees. This, he emphasizes, allows for slow

cooking. The wife, for example, could put grits on for breakfast the night before, or start her supper before leaving for work.

The Hillbilly Oven is 14 inches in diameter and sits on a triangle steel brace. It can be used on gas, electric and charcoal stoves. The oven can be obtained in 12 or 16 inch height sizes.

The oven is constructed of 90 pound paper and the inside coated with ceramic paint.

McConnell has been making and selling his oven for about seven years. However, he adds that he enjoys trading more than selling. His trades have included an oil heater, stove, plows, a four wheel wagon and two pairs of shoes.

McConnell has put paper to other uses. He constructed 13 buildings for his youth camp out of paper using laminated paper beams and paper roofing. A fireplace and a kiosk are other items in which he utilized his paper ingenuity.



The finishing touches are put on the tube part of the oven. The homemade crimper consists of an automobile wheel and bearing and lawnmower bearing.

Mrs. McConnell shares her husband's ingenuity, teaching school in Gainesville and making models from various rocks she collects.

McConnell points out that the surface has hardly been scratched in the field of paper products. He adds that paper's ready availability and low cost warrants closer study and research into expanded uses in an inflationary society.



The proof is in the pudding (meat).

SHADE TREE

I greatly appreciate Mr. Wesley Wells recent visit with Ranger H. F. Davenport to the grounds surrounding the President's Home at Young Harris College. We are grateful for your advice and we plan to follow your suggestions carefully.

Be assured of our lasting appreciation for your fine work in our area and for your specific interest in the trees on the campus of Young Harris College.

Douglas Reid Sasser
President
Young Harris College

EXHIBITS

It was really a tremendous Stay & See Georgia Week at Lenox Square! One of the most exciting weeks of exhibits and entertainment that we have ever had--and we've had a lot of them!

Without a doubt, your exhibit was an important contributing factor and I want to extend my very sincerest thanks to you and all of those in your group who worked so tirelessly and gave so much time to making the Georgia Forestry exhibit such an attraction.

I hope you feel as we do that Stay & See Georgia Week was mutually beneficial and we look forward to having you back next year.

Chess Lagomarsino
Lenox Square Association

Thank you for your cooperation and participation in Stay & See Georgia Week.....I was quite pleased! We feel that our second year was greater than the first and that next year we can progress even further.

Please convey our sincere thanks to all of those who worked with you in making the Georgia Forestry Commission Exhibit such a tremendous success.

Mozelle Christian
Travel Council
Georgia Chamber of Commerce

On behalf of the DeKalb County Federation of Garden Clubs, thank you for the most interesting exhibit which you did for our Flower Show "Springs Our Thing". Your time and effort in making our show a success greatly appreciated.

DeKalb County Federation of
Garden Clubs

This letter is to express my appreciation to Ranger Jerry Ridley for his assistance when my automobile was damaged by fire near Eatonton.

I feel certain that you consider such an act as a simple, natural courtesy which anyone would gladly offer. Even so, his eagerness to help and the capable manner in which he performed was worthy of commendation and I am indeed grateful to him and the Forestry Commission for his valuable assistance at a time when it was badly needed.

I am also grateful to the others who helped even though I am unable to identify them.

H. H. Thomas
Vidalia, Georgia

I just want to take this opportunity to thank the members of the Forestry Unit for a most efficient job in controlling a brush fire on our property on Highway 54 West last Friday, December 4, 1970.

Norman Trammell
Fayetteville, Georgia

I own the Merryway Plantation which is about six miles south of Thomasville, Georgia and east of Route 19.

As you know, that country is terribly dry and, therefore, a real fire hazard. On Thursday, December 10th, someone started a series of six fires on my place. Evidently, this was done by simply throwing matches out of the car window as they drove over the public road which cuts through my property. There was no indication that the individual even got out of his car. The time of this was about 2:00 P.M.

We contacted your Ranger Station and I wish to congratulate you on the efficient manner in which they handled our problem. Your ranger in charge, Mr. Wyman Lastinger, got moving promptly and with his equipment and the help of one of your planes, the fire was contained.

We, of course, had our tractors out but I know we would have suffered a much larger loss without the help of your unit. As it was, approximately 250 acres were burned but this was open land and did not endanger any houses or tree plantings.

I made a point of getting over to see Mr. Lastinger the day after the fire and told him and his crew how much I appreciated their help.

You have a very efficient unit there and I thought you would be interested in a landowner's opinion.

William D. Cox
Thomasville, Georgia



The nation's largest Buckeye tree has been found on Buzzard Roost Mountain near Young Harris by C.B. Bryson of Young Harris. He was accompanied by Wesley Wells, Area forester, Georgia Forestry Commission, Blue Ridge. The tree has a circumference of 13' 2 1/2"; is 131' in height; and has a crown spread of 70'. The tree was certified by the American Forestry Association, Washington, D.C.

STEWARDSHIP...Soil Stewardship Week will be celebrated from May 16-23. Conservation districts across the country will join with local churchmen in calling attention to man's duties as a steward of land, water, forests and wildlife.



George Bishop, chief, Forest Administration Division, Georgia Forestry Commission, left, celebrates 30 years of service with a cake presented by Julian Reeves, deputy director.

Foresters...

Service Awards

20 YEARS

Frank O. Bagwell.....Claims Examiner
Atlanta, Ga.
Nov. 1, 1970

Frank Herbert Davis....Towerman
Folkston, Ga.
Feb. 28, 1970

Homer L. Grizzle.....Patrolman
Cartersville, Ga.
Oct. 1, 1970

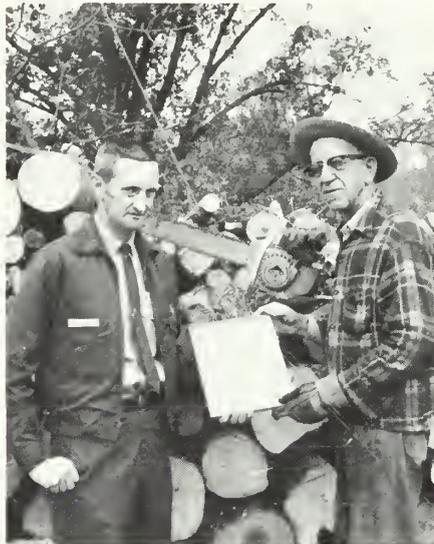
Leon E. Newsome, Jr...Towerman
Columbus, Ga.
Oct. 1, 1970

AWARDS...Wilson Wright, forester, Metro Atlanta, Georgia Forestry Commission, has received the Marietta-Cobb Civic Board of Beautification Award of Merit in recognition of meritorious accomplishment and leadership in environmental conservation and beautification of Marietta and Cobb County. The award was presented by Mrs. Virginia H. Tumlin, president.

MEETINGS...The 1971 Machinery and Equipment Exposition of the Southern Forest Products Association, April 30-May 3, Southeastern Fair Grounds, Atlanta...SFPA, May 3-4, Regency Hyatt House, Atlanta...Forest Farmers Association's 30th Southern Forestry Conference, May 19-21, Carolina Hotel, Pinehurst, N.C..."Building A Better Environment With The Third Forest" is the theme of the First Regional Technical Conference of the Society of American Foresters, May 25-27, Jacksonville, Fla...Georgia Forestry Association, June 13-15, Aquarama, Jekyll Island.

APPOINTMENT...James G. Byrne has been appointed Ecologist for the 13-state Southern Region of the U. S. Forest Service, announces T. A. Schlapfer, regional forester, Atlanta.

FACULTY...W. A. Campbell and Rufus H. Page, both U. S. Forest Service retirees, have been added to the School of Forest Resources faculty at the University of Georgia. The announcement was made by Dean A. M. Herrick.



Andy B. Newby, ranger, Dade County Forestry Unit, presents Elbert Forester, editor, Dade County Sentinel, a commendation for the space devoted to forest conservation and improving the environment. Forester said, "Whatever contribution we have made in the interest of forest conservation is considered one of the most important obligations of our home paper."



These Georgia Forestry Commission foresters have completed a Defensive Driver Instructor Training course that qualifies them to teach defensive driving. The course was taught by Milton Rose, Commission chief investigator, right. The trainees are, l-r, Robert Little, Michael Ryfun, Thomas R. Hill, Johnny McPherson, Hillard A. Stephens and Billy James. Others are Francis Palmer, Wesley M. Jones, Charlie Meadows and Rufus Youmans.



Ray Shirley, director, Georgia Forestry Commission, left, receives a "pulaski" tool from Douglass A. Craig, director, Southeastern Area, State and Private Forestry, U. S. Forest Service. The "pulaski" symbolizes Georgia's participation in sending volunteers to suppress forest fires in the nation's far West last August. Photo by USFS.

OFFICE...W. L. "Buddy" Crown, wood procurement manager, Owens-Illinois, Valdosta, has been named chairman of the 1971 Georgia Tree Farm Committee. Crown succeeds H. J. Malsberger, Jr., assistant woodlands manager, Great Northern Paper Co., Cedar Springs.

Georgia FORESTRY

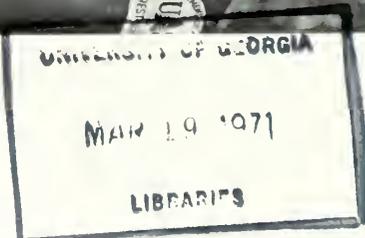
March, 1971



Photo By MGM Television

Lorne Greene, popular star of NBC's Bonanza Television Series, visits with Chuck Williams, U. S. Forest Service Technical Advisor from Pasadena, California. Mr. Greene narrated the second in a series of G. E. Monogram Specials for NBC Television entitled "WILDFIRE!" Williams, the Forest Service Technical Advisor coordinated the MGM filming crews last summer as they documented one of Washington's worst forest fire disasters of the century.

"WILDFIRE!", produced with the cooperation of the U. S. Forest Service, is an exciting documentary about 10,000 firefighters as they battled more than 118,000 acres of ram-paging forest fires within the Wenatchee and Okanogan forests of the Pacific Northwest. Don't let it happen in Georgia. Help us Keep Your Forests Green.



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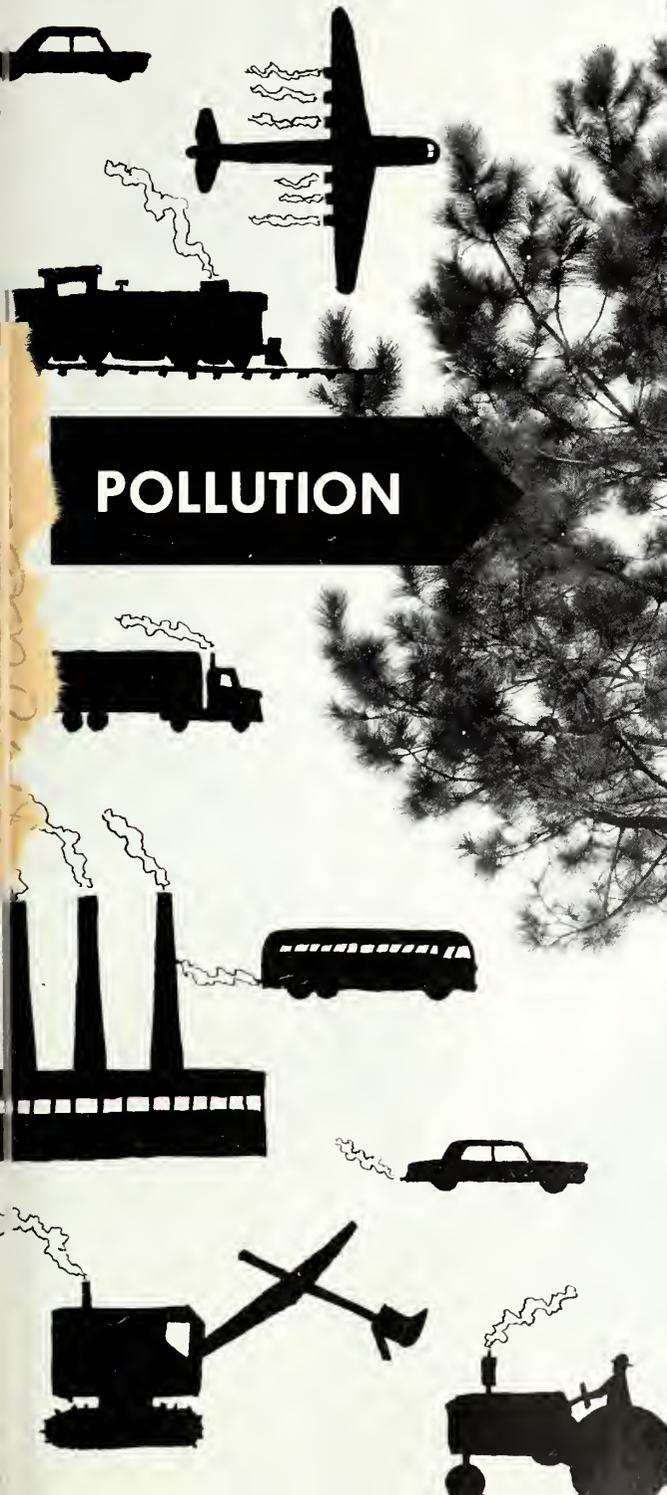
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Georgia

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You Against**

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- WIND
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- DUST
- ASH
- POLLEN
- SMOKE
- ODORS
- GASES
- EROSION
- HUMIDITY

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Ice Storm Hits N. Piedmont.....	3
Industry Expansions Announced.....	4
The Perfect Ecological Tool.....	5
REAP Announced	
One Million Acres Planted.....	6
S. E. Unit Nears Completion	
Conservation Seminar Held.....	7
Beautification Projects Initiated.....	8-9
Promotions	
Forestry Faces and Places.....	10-11
Forestry Queens Vie for State Title.....	12
Lanier County Tops FFA Field.....	13
Logging the Foresters.....	14-15

Cruising The News

We Are Forestry Capital

We can't think of a better place to hold a forest festival than Ware County. Ours is one of the major forestry areas of the Eastern half of the nation. Ware and neighboring counties are the leading pulpwood producers in Georgia which leads the nation in this field.

Long ago we discovered that there's gold in pine trees. If you want to classify trees as a crop, as many do, tree farming is the largest agricultural pursuit in our area.

Not only do we grow a lot of trees and replant religiously for the future but there are many businesses and industries in Southeast Georgia related to the tall pines.

Waycross was selected by U. S. Plywood-Champion Papers Inc. as the site of a major plant because of our strategic location in the heart of Southeast Georgia's "Pine Empire."

The stature of the late scientist Dr. Charles Herty looms larger as time goes on. He saw the future of the pine forests and did something about it.

The 14th annual Ware Forest Festival gets underway today. The events include a colorful parade, a banquet featuring a prominent speaker, the selections of the Ware Pine Queen and Ware's Master Tree Farmer, forestry skills contest and, of course, the big barbecue at Laura S. Walker State Park.

Our economy is geared closely to the forest industry. The festival therefore has great significance to us.

We hope everyone will participate in the events this year and reflect on the importance of forestry to the continued growth and well-being of our area and our nation.

(From the Waycross-Journal Herald)

And Now - - Super Trees

In an age when much of the news is bad, we note with pleasure the report just issued by the Southern Forest Resource Council, which indicates that the South's forest industry is on the threshold of a major new period of growth. New super-trees-genetically superior specimens of pine and hardwood-will provide increased production for land devoted to tree farming.

The South is uniquely suited to the growing of trees, for it has in comparison with some other areas, less industry, more undeveloped land and a longer growing season. At present, 198 million acres are covered by forests in 12 Southern states. Even with this vast acreage, the Council report says, more land will be needed if markets are to be satisfied. The demand for wood products continue to grow. The South's pulp and paper industry, now a \$10-billion-a-year business, plays a principal role in supplying the nation.

In the years to come, the South because of its unique advantages, apparently will carry the main responsibility for filling the nation's need for timber. The new super-trees are part of the answer to the problem of how best to meet the increased demand. If the nation's expanding wood requirements constitute a problem, it is the sort of problem which the tree-growing South needs more of.

(From the Marietta Daily Journal)

Ice Storm Hits N. Piedmont

An early Spring ice storm hit the Northern Piedmont area of Georgia, causing moderate to extensive timber damage in some rural and residential areas. Damage was most prominent between Atlanta and Gainesville.

Ray Shirley, director, Georgia Forestry Commission, stated that woodland and homeowners should acquire professional assistance in salvaging and treating timber.

He emphasized that many of the young trees, which appear badly damaged, will, in most cases, straighten up during the Spring and Summer. Those that don't can be cut later.

In order to prevent depressed and glutted markets, only trees that have no chance of survival within 60-90 days should be salvaged, according to Commission Forest Management Chief W.H. McComb. These trees are those that are broken off below the crown or uprooted. McComb pointed out that trees with any live limbs remaining should not be cut at this time. Bent trees, with roots still intact, can be left.

Shirley advised woodland owners to



Photo courtesy D. R. Nelson, Decatur.



Trees broken off below the crown or uprooted should be cut (upper). Bent trees, with roots still intact, can be left (left). Pruning wounds should be treated (right). Removal of debris is necessary to avoid insect invasion (bottom).

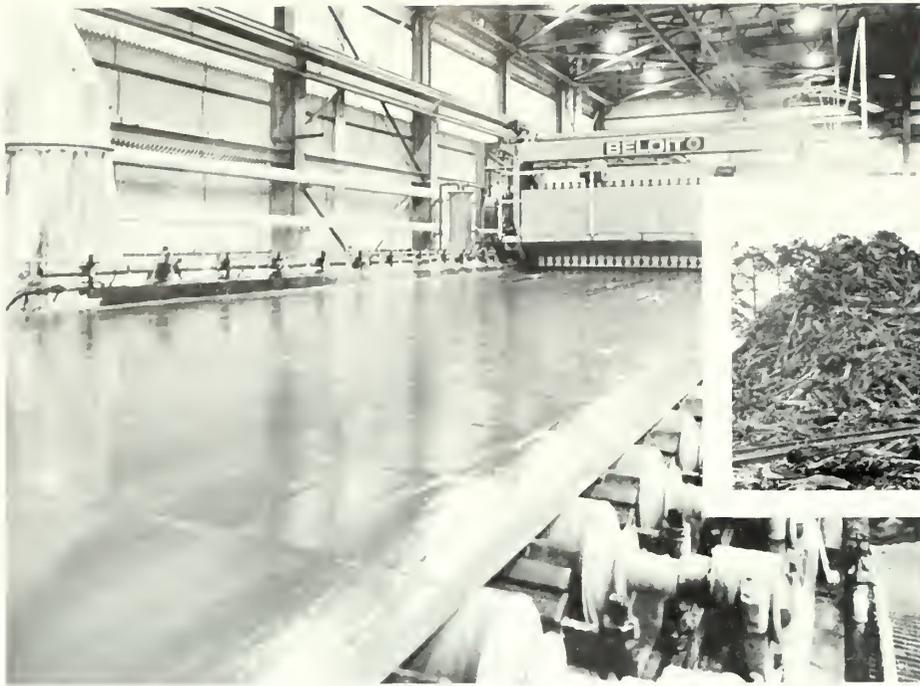


contact their local Forestry Commission forester or industrial forester to inspect the timber stands and advise on cutting practices before beginning their salvage practices.

McComb said that the downed timber does pose a threat from insects and disease and wildfire. He urged landowners to closely check their damaged trees for signs of insect activity.

The fallen tops and slash make it difficult to operate equipment in addition to providing additional fuel on the ground. Shirley urged all citizens to exercise extreme caution with fire.





Approximately 30 percent of Interstate pulp will be made from aged yellow pine stumpwood from which chemicals have been extracted at the Hercules Inc. plant at Brunswick. Photo by Bell and Stanton, Inc.

A valuable new source of wood fiber for the manufacture of paper, aged tree stumps, has been developed by two Georgia industries.

Interstate Paper Corp. has announced that it will use 125,000 tons per year of yellow pine stumpwood as a wood source for the production of linerboard at its Riceboro mill.

Hercules Inc. will provide the stumpwood from its Brunswick plant. Hercules extracts pine chemicals from the stumpwood, and at present burns the residue as fuel.

Discovery of the new paper pulp source was announced by Howard D. Epstein, president and William J. Verross, vice president and general manager of Interstate.

Epstein said the stumpwood would provide up to 30 percent of Interstate's pulpwood requirements for the next 10 years at present production levels. He pointed out that the processed stumpwood would be mixed with green pine chips for conversion into pulp.

Epstein added, "the stumpwood we plan to use each year will amount to 86,000 cords of stump pulpwood cut from the living forest. This is the equivalent of the average annual growth of 175,000 forest acres in Georgia."

Several months of research and testing by both companies, with the assistance of the Herty Foundation and the Savannah Forestry Experiment Station, established the

the process for using stumpwood in the manufacture of kraft linerboard. Interstate produces linerboard at its Riceboro mill for use in making corrugated paperboard for shipping containers.

ITT Rayonier, Inc. has announced it will build a 175,000-ton-per-year chemical cellulose production unit. It will be an addition to the company's mill at Jesup.

Charles E. Anderson, president, ITT Rayonier, said the project, including satellite woodyard and wood chip production facilities, will require an investment of \$86 million. It will increase the firm's employment, in the area, by over 300.

When completed in the fourth quarter of 1972, he pointed out that this expansion will give the Jesup mill an annual production capacity of 480,000 tons. This will make it the largest, most versatile chemical cellulose manufacturing complex in the world.

The expansion will require 435,000

cords of pulpwood annually from southeastern Georgia counties. This will be obtained largely from independent pulpwood producers. It is estimated at least 350 additional pulpwood harvesting

ITT Rayonier, Jesup, Ga. Photo by ITT Rayonier.

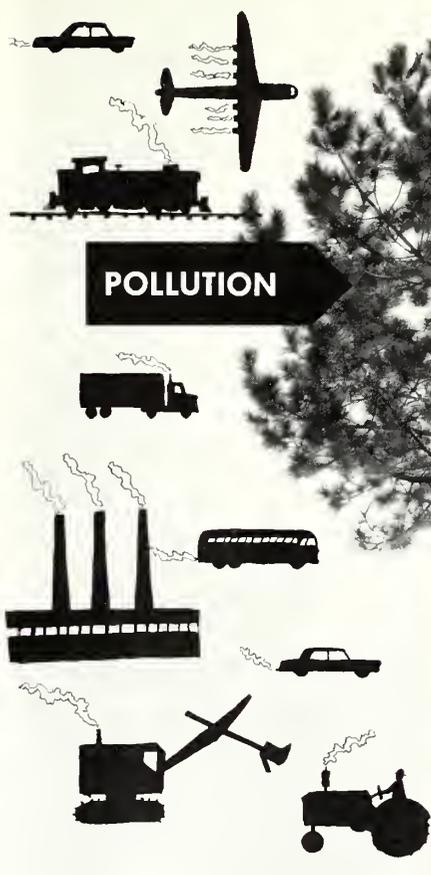


Industry Expansions

jobs will be provided in the area. To facilitate wood procurement, five additional wood concentration yards and two new satellite chipping plants are included in the project.

Anderson emphasized that high priority is being given to protecting environmental quality. The new mill will incorporate the most advanced air and water protection equipment to enable it to meet all quality standards.

The new unit will be capable of producing a wide range of chemical cellulose and paper pulps by three different processes, the New Process 12, the pre-hydrolyzed kraft process or the conventional kraft process. It will be designed to produce the higher quality pulps for



POLLUTION

PURE OXYGEN & MOISTURE

A Tree Protects You Against

- SUN
- WIND
- SOUND
- DUST
- ASH
- POLLEN
- SMOKE
- ODORS
- GASES
- EROSION
- HUMIDITY

Announced

the growing acetate and high performance rayon markets. It will also be capable of manufacturing standard kraft paper pulps, chemical cellulose and flocking.

What was the environment of your city this morning, of your home, of your office, of your backyard and of your farm.

People everywhere have become vitally concerned with the words environment and ecology as well as the total environment. Trees mean many different things to people, and as the population increases these differences become more pronounced, and take on a new importance.

Trees, to the homeowner, are aesthetics, beauty, home for birds, noise abatement, nature's air conditioner, water purifier, the play area, and the landscape of the community.

Trees, to the hunter, are the habitat for game, providing cover and food.

Trees, to the fisherman, provide a basis for food in the streams and lakes, filter the water, reduces water temperature in summer and helps maintain stream flow.

Trees, to the recreationist, are a place to hike on scenic trails; to study plant life, bird life, and animal life; a restful place to relax; shelter from the elements of wind and temperature; and a place to camp.

Trees, to the city, a watershed insuring a continuous supply of good water,

and the basic requirement for a park or playground area.

Trees, to landowners and the public, are vital in preventing soil erosion, providing flood control and an income from an investment.

Trees, to the woodland owner, are a raw material to grow and sell to industry, hopefully for a profit.

Trees, to industry, are a raw material for processing into items for trade.

Trees, to the wage earner, means a job to support himself and or family.

Trees, to local and State governments, are a basis of tax revenue for government.

The tree and the forests are big enough in Georgia to meet all of these needs if we use the knowledge we possess toward meeting these needs.

A great discovery has been made. It takes carbon dioxide gas and converts it into oxygen. It filters out of the atmosphere dust, dirt, pollen, smoke, odors and other air-borne particles. In addition it acts as an air conditioner. But, that's not all; it takes in polluted water and purifies it and recirculates the water back into the atmosphere.

The discovery the perfect ecological system, a tree...



REAP Announced

The U.S. Department of Agriculture has allocated \$150 million in Rural Environmental Assistance Program funds among the 50 States, Puerto Rico and the Virgin Islands for 1971, according to Clifford M. Hardin, Secretary of Agriculture.

Georgia's REAP slice is \$4.6 million. Under the program, the federal government will pay about 50 percent of the cost of practices that achieve permanent benefits. Practices, that provide temporary benefits, will be available only under certain circumstances and at a reduced level of federal cost sharing.

The REAP, formerly the Agriculture Conservation Program, permits resumption of the federal cost sharing of various beneficial conservation practices,

and better both the on and off-farm environment.

On the farm side, emphasis will be on those practices contributing the most to the improvement of conditions for both the general public and farmers. Major considerations in authorizing cost sharing of any practice installation will be the resulting public benefits such as pollution abatement, enduring soil and water conservation, recreation, wildlife and open space as well as the degree of permanency achieved.

A major thrust will be to reduce water pollution which results, in large part, from agricultural, industrial and municipal wastes. Water retaining and retarding measures on farms, such as dams and ponds, permanent grass cover,

waterways, buffer strips and tree plantings, will be stressed.

Off-farm benefits will be promoted by concentrating funds to solve community environmental problems through special projects and pooling agreements.

The 1971 REAP will reflect changes desired by the president, and, consistent with a House-Senate conference report, will make provision for the continuation of 1970 program practices and procedures at the option of county committees.

The program will be administered by the Agricultural Stabilization and Conservation Service of the USDA. The Department's Soil Conservation Service, Forest Service and Extension Service will provide technical and educational assistance

Fire Act Signed Into Law



Governor Jimmy Carter signs Fire Law Act into law. Participating in the signing ceremony are, l-r, Representative L. L. Phillips, Savannah; Harold Joiner, executive director, Georgia Forestry Association, Atlanta; and Ray Shirley, director, Georgia Forestry Commission, Milledgeville. Photo by Jessie Sampley.

Georgia Governor Jimmy Carter has signed into law an Act making the careless setting or escape of fire on to another person's property a misdemeanor.

Ray Shirley, director, Georgia Forestry Commission, states that the Act makes unlawful the starting of a fire in any woodlands, brush, field or any other lands not owned or leased, and without permission of the owner.

The Act also includes the confinement of fire to one's property. The landowner must take the necessary precautions before, during and after the fire to prevent its escape to another's property.

Damaging any material or device used in the detection or suppression of wildfire is covered by the Act. The discarding of ignited objects that may cause a forest fire is noted.

Shirley cited the all inclusive Act as an aid to the Forestry Commission in preventing wild forest fires, and to the landowners in their control and prescribed burning programs as well as providing protection against carelessness of others.

The Bill was introduced by Representatives L. L. Phillips, Soperton, and Joseph A. Battle, Savannah.

S.E. Unit Nears Completion

The forest survey of Georgia's 37.7 million acres is more than 39 percent complete, according to the mid-May report of Thomas R. Bellamy, field supervisor for the survey.

Bellamy stated that the southeastern section of the coastal plain (Unit One) is 78 percent complete. Completion of the Unit is expected by July 1.

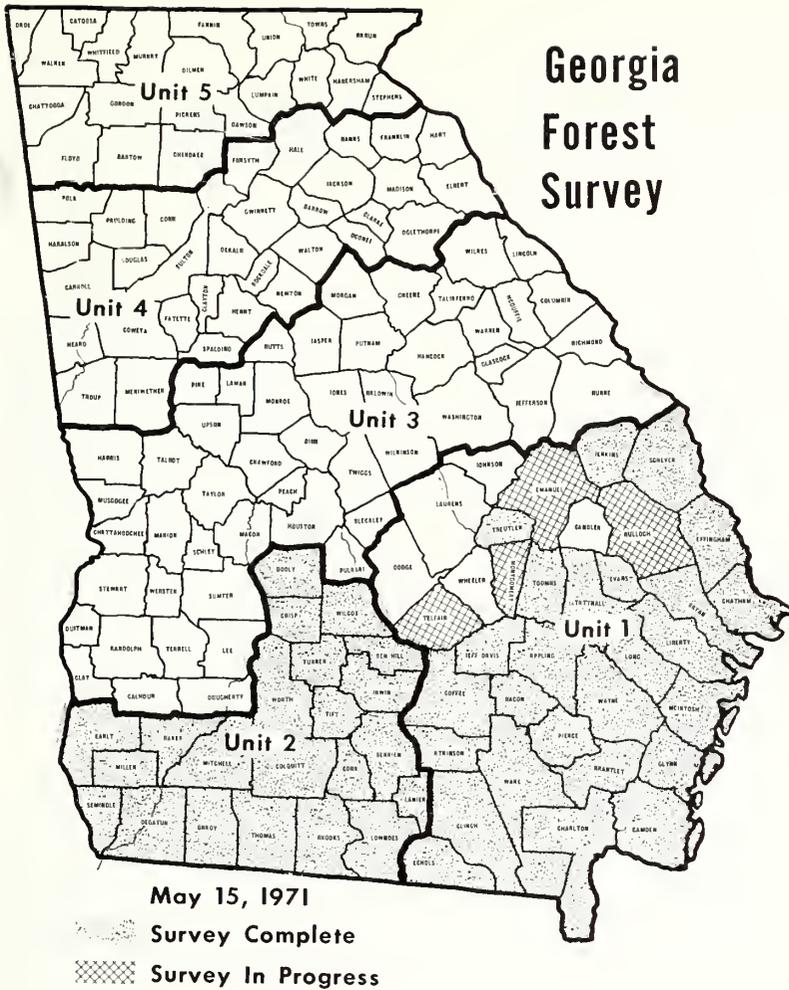
The survey is scheduled over a three year period. Bellamy pointed out that to complete the statewide survey will require visiting and tabulating conditions at 6,796 separate forest plots.

The survey team consists of five two-man units. The Georgia Forestry Commission is providing one man each on two of the units.

The field survey office is located at Jesup. Plans are to move the office in the vicinity of Macon the latter part of June.

The State headquarters for the survey field work is the Georgia Forest Research Council at the Georgia Forestry Center near Macon.

Georgia Forest Survey



Conservation Seminar Held

A one day conservation seminar for Education majors was held in April at Statesboro. The seminar was co-sponsored by the Georgia Forestry Commission, Southern Forest Institute and Georgia Southern College, Statesboro.

The purpose of the seminar was to introduce future teachers to ways and means of injecting conservation into their classroom teaching utilizing the the school grounds and calling for assistance from industry, State and federal conservationists.

Dr. Philip F. C. Grear, Head, Biology and Earth Science Department, Shorter College, Rome, keynoted the one day meeting. Others participating in the seminar and their topics were Dr. Charles Wharton, professor, Georgia State University, Atlanta, Current Conservation Issues and Don Smith, chief forester, Southern Forest Institute, Atlanta, The Wise Use of Natural Re-

sources.

Panel discussions were led by Bob Oertel, assistant state conservationist, Soil Conservation Service, Athens, Soil and Water; Andy Ryfun, manager, Environmental Services, Brunswick Pulp and Paper Company, Brunswick, Bill Estes, director, Air Quality Evaluation Service, Georgia Department of Public Health, Atlanta, and Don Smith - Air; and George Dainty, educational manager, Southern Forest Institute, Atlanta, Chuck Place, forest education assistant, Georgia Forestry Commission, Macon, and Lamar Merck, field representative, Procurement, Union Camp Corporation, Statesboro - Forests. The panel, Applied Ecology in the Classroom, was headed by Dr. Arthur Strickland and Dr. Ronald Hoenes, both of Georgia Southern College.

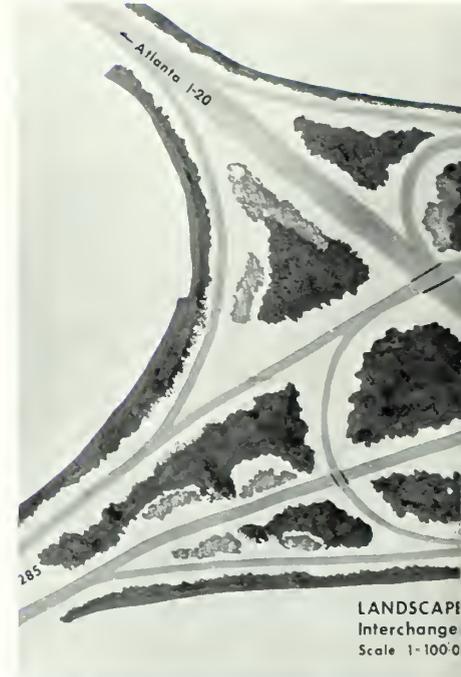


Participating on the "Forests" panel were, l-r, George Dainty, SFI; Charles Place, Jr., Georgia Forestry Commission; and Lamar Merck, Union Camp Corp.

Beautification Projects Initiated



The I-20 and I-285 interchange beautification project was spearheaded by Mrs. James E. Rast, center, HANDS chairman. Cooperating in the project were Mrs. R.M. Sherman, 1971-72 vice president, DeKalb County Federation of Garden Clubs; Hal Rieves, State road design engineer, Georgia Highway Department; and Julian Reeves, deputy director, Georgia Forestry Commission.



A challenging beautification project was initiated this past Winter at the I-20 and I-285 interchange. The planting of 40,000 trees included dogwood, crepe myrtle, redbud, sawtooth oak and loblolly pine.

Mrs. James E. Rast, Home And Neighborhood Sponsors (HANDS) chairman, said the project involved 68 of the 135 acre interchange. Future plans call for the planting of the I-85 and I-285 interchange during the 1971-72 planting season, Mrs. Rast added.

Mrs. Rast pointed out that the beautification program was a cooperative effort between the DeKalb County Federation of Garden Clubs, area Boy Scout troops, Georgia Highway Department and the Georgia Forestry Commission.

The Highway Department personnel, under Hal Rieves, State road design en-



gineer, landscaped and staked the area and hauled in mulch. The Boy Scouts hand planted the ornamentals under the supervision of Forestry Commission foresters.

The result should be an upgrading of the environment of the interchange.

A "clearing house" for conservation projects in Augusta and Richmond County has been organized. The Richmond County B-C (Beautification-Conservation) Club was established in March.

Headed by Mrs. Herbert W. Youngblood, the governor's representative on conservation in the area, the B-C Club was founded following a community wide Arbor Day program.

Mrs. Youngblood said the Club consists of chairmen from the various conservation oriented organizations in Augusta and Richmond County. Its primary functions include assisting clubs who are seeking conservation projects, and where clubs have similar activities, coordinate them into a community project.

The Club goal is to make Augusta and Richmond County more beautiful, perpetuate the natural resources of the county and boost other organizations in formulating conservation projects, Mrs. Youngblood added.

Present emphasis is being placed on roadside beautification and tabbing his-



One of the B-C Club's projects will be identifying State tree champions in the county. Mrs. Herbert Youngblood and Ranger T.M. Strickland inspect a redbud. Other State champions in Richmond County are catalpa, crepe myrtle, ginko, redwood and soapberry trees.

torical monuments in the area.

The other officer of the B-C Club is Mrs. Nancy Andrews, secretary-reporter.

Arbor Day Cited



Former First Lady Mrs. Dwight D. Eisenhower joined other Georgians in the State's 81st Arbor Day Observance. Miss Richmond County Pine Seedling Kim Murphy presented Mrs. Eisenhower with a packet of dogwood trees commemorating the occasion at "Mamie's Cabin" at the Augusta National. Kim is the six year old daughter of Mr. and Mrs. Winton Murphy of Augusta. T.M. Strickland, ranger, Richmond County Forestry Unit, Georgia Forestry Commission, assisted in the coordination of Arbor Day activities in Richmond County.

Promotions

Daniel, seven months. The family is a member of the First Baptist Church of Statesboro.



Billy P. Barber, Metter Area forester, has been promoted to Gainesville District forester, announced Ray Shirley, director, Georgia Forestry Commission.

Barber assumed his new duties in March, succeeding Ollie C. Burtz.

Shirley said Barber was named to the post because of his overall working knowledge of the Commission's programs, and the thoroughness and excellence that he has exemplified in carrying out his previous responsibilities.

A registered forester, Barber will locally coordinate and direct Commission programs, and supervise District Area foresters and personnel assigned to the District office.

Barber came with the Forestry Commission in August 1957 as ranger of the Clay County Forestry Unit. In 1958, he was elevated to Camilla District ranger. The following year, Barber was promoted to assistant district forester at Camilla. He was assigned to the Statesboro District in 1967, and promoted to Metter Area forester in July 1969.

A native of Donalsonville, Barber graduated from the University of Georgia School of Forest Resources in 1957. There, he was a member of the Forestry and Agriculture Clubs.

He is a member of the Society of American Foresters and the Georgia Forestry Association. He is past president of the Metter Rotary Club.

Barber and his wife, the former Lene Grabber of Donalsonville, have two children, Susan Theresa, four, and James



Nelson Brightwell has been named head of the Cooperative Extension Service forestry department. He fills the vacancy created by the death of C. Dorsey Dyer last July.

Brightwell's appointment to the University of Georgia post was announced by L.W. Eberhardt, Jr., Extension director.

The new department head has been a member of the Extension forestry staff since 1953. In his new position, he will lead a team of four foresters and one wildlife biologist.

Before joining the Extension Service, Brightwell worked two and one-half years with the Georgia Forestry Commission. He was the Stephens County forester for two years; then was the assistant forester for the Toccoa district.

As Extension forester, he has written numerous publications and magazine articles on forest management practices. In 1970, he received the Distinguished Service Award from both the Georgia and National County Agents Associations.

A native of Muscogee County, Brightwell attended Columbus High School, and was graduated in 1944. He served one and one-half years in the U.S. Navy, and then enrolled in the University of Georgia School of Forest Resources. He was awarded the bachelor of science degree in Forestry in 1951 and the master of Forestry in 1962.

Forestry Faces



► There are 113,200 forest acres in Banks County. This represents 76.5 percent of the land area.

Approximately 50 percent of the forest acreage is farmer-owned. Industry owned forest acreage is eight percent. The forest acreage has a growing volume of 168.1 million board feet of sawtimber and 1.2 million cords of pulpwood.

In 1969 there were 16,419 cords of round pulpwood produced. The highest productive year was 1967 when 20,468 cords were harvested. Since 1946, production has totaled 124,229 cords of round pulpwood.

There are four wood-using industries in the county employing approximately 50 people with a payroll of \$129,588. The products of these industries include rough and dressed air dried lumber and dressed kiln dried lumber.

► Dr. Sydney B. Kinne, III has been named manager, Operations Research, Georgia Kraft Company, Rome. Other appointments announced by Raymond W. Hanson, vice president-administration included Stephens L. Harp, Jr., corporate operations research assistant, and Dale C. Campbell succeeds Dr. Kinne as operations research manager-wood and woodlands.

► Hugh E. Mobley, Jr. has been assigned to the Macon Forest Fire Lab. He is the Southeastern Area's liaison with Research, announced Douglass A. Craig, Area director.

And Places

Memorium

JOHN H. GOFF

► A towerman with the Toombs County Forestry Unit, John H. Goff, 52, is dead. He came with the Unit in January 1959. Goff came with the Georgia Forestry Commission in December 1951. The Montgomery County native worked seasonally with the Montgomery County Forestry Unit until 1959. T.B. Clifton, ranger, Toombs County Forestry Unit, cited Goff for his efficiency in forest fire detection.

OLIN R. JOHNSON

► A train accident took the life of Olin R. Johnson, 59, patrolman, McDuffie-Warren Forestry Unit. He had been with the Unit for 19 years. A native of Warren County, Johnson was enroute to a landowner's property to plow firebreaks. William Muns, Unit ranger, characterized Johnson as dependable and dedicated. The tragic mishap took place at the Uniroyal Road crossing east of Thomson.

Ray Shirley, Forestry Commission director, praised the services of both men, pointing out dedication to job and to the cause of forest conservation.

CLINT DAVIS

► Clint Davis, 62, a retired member of the U.S. Forest Service and former staff writer for the Atlanta Constitution, has died.

From 1933-37, he was an outdoor writer and photographer for the Constitution. In 1937, he joined the U.S. Regional Forest Service in Atlanta as director of information and education programs in the Southern states.

In 1946 he went to Washington, D.C. to head the Smokey Bear Forest Fire Prevention Program. Davis became director of the service's information and education program in 1955, a position he held until his retirement in 1968.

A native of Unadilla, his home was Silver Springs, Md.



John W. Mixon, center, metro forester, Georgia Forestry Commission, Atlanta, has been named president of the Southern Chapter, International Shade Tree Conference. Other officers are, l-r, Francis W. Orrock, Fredericksburg, Va., secretary-treasurer; Mrs. Marilyn Guerra, Prince George County, Md., immediate past president, and James Oates, Richmond, Va., president-elect. The officers were elected at the annual Southern Shade Tree Conference in Durham, N.C. Photo by Herald-Sun Papers, Durham.

W. CLYDE GREENWAY

► W. Clyde Greenway, 61, Southern territory director of civic affairs for Sears, Roebuck and Co., is dead. Greenway had been associated with Sears since 1944.

During Greenway's 26 years with the company and the Sears-Roebuck Foundation, he became well known through

the South as originator of many community action programs. Among those are the Conservation Awards Program conducted in 10 southeastern states and the Home and Neighborhood Development Sponsors program (HANDS) carried on under the auspices of garden clubs in the South.

Recently Phil Campbell, under secretary of Agriculture, announced the appointment of Greenway to the department's National Arboretum Advisory Council.

Greenway served as director of the Georgia Forestry Association, Atlanta Baptist College and the American Vocational Association. He was a member of the Georgia Advisory Council on Vocational Education and immediate past president of the Georgia Agribusiness Council.

T. E. L. WEATHERS

► Tom E.L. Weathers, 49, a Waynesboro businessman, is dead. He founded the Weathers Wood and Timber Company, and was vice president of Dixie Wood, Inc., Milledgeville. Weathers shipped pulpwood to Union Camp Corporation, Savannah, prior to founding his firm.



W. Clyde Greenway

Forestry Queens Vie For State Title



*Patricia Dianne Brown
Miss Muscogee County
Columbus*



*Ellen Burke
Miss Ware County
Waycross*



*Marian Chappell
Miss Henry County
McDonough*



*Carol Cofer
Miss Liberty County
Hinesville*



*Robin Hemphill
Miss Fannin County
Blue Ridge*



*Denise Killebrew
Miss Early County
Damascus*



*Susan Little
Miss Richmond County
Augusta*



*JoAnne Pickney
Miss Macon County
Oglethorpe*



*Jo McClurg
Miss Troup County
LaGrange*



*Janie Thomas
Miss Oconee County
Watkinsonville*



*Maria Walker
Miss Telfair County
McRae*

The 1971 annual meeting of the Georgia Forestry Association will be held at Jekyll Island in the Aquarama, June 13-15. President Gerald B. Saunders, president, Alexander Brothers Lumber Company, Columbus, will preside.

Saunders said that a delegation of more than 700 foresters and landowners are expected. A luncheon will kick-off activities on June 13. The convention's general session will be held on June 14 with the banquet that evening, he added.

Harold Joiner, executive director, GFA, Atlanta, said that the speakers are headed by Governor Jim Ed Brown. Gov. Carter will be the banquet speaker. The

general session speakers will direct their remarks to Air Quality, Forest in Agriculture and Ad Valorem Taxes.

Another convention highlight will be the crowning of Miss Georgia Forestry. Approximately 25 counties will present forestry queens for the coveted title, Joiner added. In addition to those pictured, the counties are Ben Hill, Bryan, Chattooga, Clinch, Columbia and Cook.

Others are Candler, Emanuel, Glynn, Lee, McIntosh, Montgomery, Paulding and Thomas Counties.

Joiner states that the State Forestry Queen will receive a \$500 scholarship to the college of her choice in Georgia.

Both the queen and runnerup will receive numerous gifts.

During her reign, the Miss Georgia Forestry title holder will represent the forest industry at various functions throughout the State. The Association will coordinate her activities.

The 1970 Miss Georgia Forestry is Sharon Sirmans of Adel.

Other business will include the election of officers and the presentation of awards. These will include the Performance of Excellence Awards presented to Georgia Forestry Commission supervisory personnel representing their respective Areas and Units.

Lanier County Tops FFA Field

The Future Farmers of America Chapter of Lanier County took top honors in the State FFA Forestry Field Day. The Greenville and Louisville Chapters placed second.

Some 143 contestants, representing 13 chapters, participated in the field day. Schools represented were Pickens County, Greenville, Patterson, Swainsboro, Turner County and Randolph County. Others included Lanier County, Early County, Douglas County, Jackson County, Rabun Gap, Commerce and Louisville.

A target shooting event was sponsored by the Progressive Farmer Magazine and judged by Leroy Hackley, wildlife ranger, Georgia Game and Fish Commission. This event was not counted in the Field Day competition.

First place winners in the various events were Mike Waddell and Bruce McCoy, Greenville, planting; Floyd Gilbert, Randolph County, selective marking; Rickey Watson, Lanier County, pulpwood timber estimation; Bob Joyce, Lanier County, sawtimber volume estimation; Richard Smith, Greenville, tree identification; and Olin Cannon, Louisville, ocular estimation.

Others included Randy Sirmans, Lanier County, land measurement; Richard Presley, Commerce; Aubrey Corbitt, Lanier County; Rusty Youmans, Patterson; and David Patrick, Swainsboro, log scaling; Gary Green, Douglas County, insect and disease comprehension; and Charles Strickland, Louisville, scaling stacked pulpwood.

The winner of the rifle shoot was Oswell Smith, Ag Teacher at Patterson. The Louisville Chapter, Robert McGill, Ag Teacher, placed second. Paul Jones, Sunland School Plan, Progressive Farmer Magazine, Birmingham, Ala., presented the rifles. Leroy Hackley, ranger, Georgia Game and Fish Commission, supervised the event.

The Lanier County Chapter, directed by W.H. Keene, received an inscribed plaque and \$100. The Greenville and Louisville Chapters, under J.R. Cook and McGill, respectively, received a



James C. Turner, Jr., center, chief, Forest Protection Division, Georgia Forestry Commission, Macon, presented the FFA Field Day awards. W.H. Keene is the Vo-Ag instructor. Participating in the awards presentation are, kneeling, J.E. Browning, Jimmy Browning and Rickey Watson. First row, Randy Sirmans, Aubrey Corbitt, Turner, Mickey Fourakers and Keene. Second row, Clyde Conie, Bob Joyce, Roy Radford, David Yancey and Duncan Tomlinson.

plaque and \$25 each. The first place winners, in the individual events, were awarded \$20; second place, \$10; and third and fourth place, \$5.

J.L. Branch, State supervisor, Agricultural Education, Atlanta, lauded the FFA Field Day Program and its value to the youths in the years to come. Miss Barbara Sartain, chairman, State Projects, Future Homemakers of America, also praised the accomplishments of the group.

Malcolm Dillard, consultant forester, Vocational Agriculture Department, emphasized that the FFA field days create competition among the FFA chapters whose members have acquired a basic knowledge of forestry, and who possess skills in the various phases of forestry. It gives the FFA advisor a means of creating an interest in forestry for FFA

members, he added.

The State FFA Field Day was sponsored by the Trust Company of Georgia, Atlanta, and its six affiliated banks. They are the First National Bank and Trust Company of Augusta, DeKalb National Bank of Brookhaven, The First National Bank and Trust Company of Macon, The Fourth National Bank of Columbus, The First National Bank of Rome and the Liberty National Bank and Trust Company of Savannah.

The awards were presented by James C. Turner, Jr., chief, Forest Protection Division, Georgia Forestry Commission, Macon.

William White, vice president, State FFA, presided.

The statewide Area FFA Field Days were coordinated by Dillard and Eugene Carswell, area forester, South Georgia.

LETTERS

ARBOR DAY

Thank you for sending the photographs for my file and I want you to know it was a real pleasure for me to have played a small part in Arbor Day.

The Georgia Forestry Commission is certainly due a vote of thanks for the wonderful work they do.

Mamie Doud Eisenhower

Thank you so much for your assistance in our Arbor Day program.

The Dalton Junior Woman's Club owes much to the Whitfield County Forestry Unit and the State Forestry Commission.

Mrs. Jack Lee Gates

FIRE SUPPRESSION

I would like to express my appreciation for the excellent job the Carroll-Douglas Forestry Unit did on controlling the fire on Taylor Gin Road, 4/1/71.

I personally would have suffered a great loss, including my home and furnishings, if your division had not come to our rescue.

Billy H. Green

EXHIBIT

May I express to you and your staff our appreciation for furnishing an interesting exhibit for the 1970 Georgia State Fair. Your cooperation helped to make our Fair successful despite some rainy weather.

R. M. Wade
General Manager
Georgia State Fair

TREE SYMPOSIUM

The staff at the Georgia Center joins with me in expressing our appreciation to you for the splendid contribution you made in making the Tree Symposium a success.

A number of compliments have been made by the Center staff in relation to the fine group attending the Conference. Again, may I say thank you for a job well done.

Leonard A. Hampton
Georgia Center for
Continuing Education
University of Georgia

CONSERVATION

Just a word of thanks for your enlightening program

ecology. From everyone's response, I sincerely think this has been the most interesting program of the club since I joined. As was evident, most of the members in the club are new and have much to learn.

Nancy Belk, Secretary
Twilight Garden Club

ASSISTANCE

My report on lumber has just been completed. The information that you sent me was a great help in writing my paper. I sincerely appreciate your thoughtfulness and consideration concerning my report.

Thank you again for all the material that you supplied.

Sandra Davis

EDUCATION

Many thanks for arranging the visit for our first southern forestry practicum to the Georgia Forestry Center. The presentation was excellent! I was particularly impressed by your use of those 5 minute TV movies -- and I am hoping we can steal your idea for use up here in Wisconsin!

Gordon R. Cunningham
Associate Professor
Department of Forestry
University of Wisconsin

I would like to thank you for your cooperation. We enjoyed visiting with you and we would very much like to visit you all again. We would like for you to thank Mr. Brooks, Mrs. Moseley, and Mrs. Washburn for taking time out to talk to us. Thank you very much.

The P.E.C.E. Class
Macon, Georgia

The Smoke Rise seventh grade wants to thank you for coming to our school and telling us about the forest and how it is used. I guess in many ways I've taken advantage of the forest property because I always figured there would always be trees. Thank you very much for coming. We all learned a lot.

Shawn Windon
Secretary, 7th Grade

I appreciate very much your cooperation in allowing us to hear Mr. Wilson Wright and Mr. Jerry Spillers, representatives of the Georgia Forestry Commission, on February 19, 1971.

The representatives gave an excellent presentation and I am sure the one thousand students who attended the programs throughout the day were very much enlightened on the subject of forestry.

C. E. Sprayberry
Principal
Austell Junior High School

Logging



Gail Hilliard, 19, Waynesboro, is the 1971 Miss Gum Spirits. The Valdosta State College Sophomore was sponsored by S.O. Spooner, Jr., Valdosta. Miss Hilliard prevailed over ten other contestants at the annual meeting of the American Turpentine Farmers Association. She is the daughter of Mr. and Mrs. Ben H. Hilliard.



This snow sculpture was the result of the creative talents of personnel of the Murray County Forestry Unit. The sculptors included Charles Dunn, ranger, and John Green and Kermit Tankersley, patrolmen. Photo by Chatsworth Times.

The Foresters ...

Service Awards

20 YEARS

- Anderson F. Brown.....Utility Worker
Macon, Ga.
Mar. 31, 1971
- Miss Doris Ann Easler.....Towerwoman
Roberta, Ga.
Mar. 31, 1971
- Noah H. Head.....Towerman
Monroe, Ga.
Mar. 31, 1971
- Theophilus Johnson.....Patrolman
Cairo, Ga.
Mar. 31, 1971
- Miss Sadie Belle Nettles...Dispatcher
Homerville, Ga.
Mar. 31, 1971
- Jesse J. Rowe.....Patrolman
Waycross, Ga.
Mar. 31, 1971

TREE SEEDLINGS...The South's forest industries distributed and planted more than 465 million trees during the 1969-70 planting season, according to a Southern Forest Institute survey. In Georgia, 69,286,557 trees were planted and distributed. The Georgia Forestry Commission accounted for another 46,581,076 tree seedlings.

PULPWOOD VALUE...A Southern Forest Institute Report shows that Georgia led all Southern states in the value of pulpwood harvested for the 22nd consecutive year. The value in 1969 was \$160,677,000, approximately \$8.4 million above the previous year. A record high \$899,118,000 was set in the South for purchases of pulpwood harvested and delivered to 121 pulp and paper mills.

MEETINGS...Oak Symposium, Aug. 16-20, 1971, West Virginia University, Morgantown, W. Va...Georgia Chapter, Society of American Foresters, Sep. 9-10, Callaway Gardens...National SAF, Sep. 26-29, Cleveland, O.



The Georgia Forestry Commission's "Mr. Tree" took part in ribbon cutting ceremonies opening the Atlanta Camp-O-Rama. Cutting the ribbon was Fredrick W. Sturges, editor, The Outdoor Group, Davis Publications, Inc. Assisting were young ladies from the Southern Management Exposition Co.



The new president of the Southern Forest Institute is Daniel C. Lewis, right, vice president-administration, The Chesapeake Corporation of Virginia, West Point, Va. New SFI vice president is Fred C. Gragg, center, vice president and assistant manager-woodlands, Southern Kraft Division, International Paper Co., Mobile, Ala. George E. Kelly was re-elected executive vice president of the association. Photo by SFI.

Georgia FORESTRY

June, 1971

Golden Eagle Flies Again!

ACQUISITIONS DIVISION
UNIVERSITY OF GEORGIA
LIBRARIES
ATHENS, GA. 30601

PAID AT DRY BRANCH, GA.



1971

Signature
John Q. Mearns
federal
recreation
area
entrance
permit



This \$10 Golden Eagle Passport will admit the purchaser and persons accompanying him in a private noncommercial vehicle to designated areas or the purchaser and immediate family where entry is by other means. The Passport is transferable only to members of the purchaser's immediate family (spouse and children). It does not cover special user or service charges.

Display this permit on the dashboard or sun visor of your vehicle when inside a designated Federal recreation area unless otherwise instructed. Your purchase of the Golden Eagle Passport helps provide more local State and Federal outdoor recreation opportunities.

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RECREATION AREAS
WHERE GOLDEN EAGLE
PASSPORTS ARE VALID



Forest
Service



National
Park Service



Bureau Of
Sport
Fisheries And
Wildlife



Bureau Of
Land
Management



Georgia

FORESTRY



HARRY ROSSOLL

See Back Cover

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High Gum Yielding Slash Pine Grown.....	3
Information Center Dedicated.....	4
Survey Reaches Halfway Mark.....	5
Wood-Using Industries in Georgia.....	6
Forestry in Natural Resources Agency.....	7
Ecology and Taxes Gain Delegates Attention.....	8-9
Forestry Faces and Places.....	10-11
Memorial Honors Late Extension Forester New Offices Built.....	12
Forest Protection Funds Anticipated Shirley Heads Forestry Sub-Committee.....	13
Logging the Foresters.....	15

Cruising The News

Understanding Modern Forestry...

Myths die hard. Sometimes they can do a great deal of harm in the dying process. An official of a major timber company has described how widely-held myths about forests in the United States threaten both efficient conservation and utilization of the nation's major renewable resource. Among the myths blasted by this timber official is the belief that when a small section of the forest is harvested each year by man instead of nature, it is lost forever. Actually, "the harvested, stagnant section of mature timber quickly becomes a green and growing new forest," providing food for wildlife that dying wilderness denies. Another myth is that it takes forever to grow a new tree. The timber company official says that modern forestry can grow two forests in a man's lifetime, while nature, without help, requires two or three lifetimes. "We already are approaching the 40-year cycle for merchantable timber," he says.

A third popular myth is the notion that old-growth timber has been living almost since time began. This is, perhaps, the most erroneous of all. Much "old-growth" timber wasn't yet in existence when early pioneers braved the wilderness. Still another myth is that trees--mature--trees do not need to be used because homes can be built of steel, aluminum, plastic or concrete. However, unlike trees, the latter are non-renewable resources and will someday come to an end. The timber company executive also pointed out just because forests are "managed" to attain greatest productivity, it does not mean they become mere farms. Present-day timber conservation offers the greatest opportunities for recreation and the regeneration of wildlife.

(From the Metter Advertiser)

The Object Is Wood

If industry and the building trades are able to supply the anticipated demands in 2000 A.D., they can thank the current planting of tree seedlings.

The Southern Forest Institute reports that nearly 70 million seedlings have been planted in Georgia during the 1969-70 season, and forestry leaders say the fast pace of planting will continue through next year.

To Georgia's credit, the plantings in this state represent about 15 percent of all seedlings distributed for planting by pulp and paper, lumber and plywood companies in 13 different Southern states.

Forestry pumps needed lifeblood into the economy of the Southeast and into Georgia. For instance, the value of just pulpwood harvested and sold during the past year exceeded \$160 million--a gain of 10 percent over the previous year.

Add to this the industries which process and use wood products, with their payroll, the wholesale and retail businesses which handle the products, and the people who grow and protect the the forests, and we already can grow and protect the forests, and we already can visualize what forestry can do for the section and the nation within another 30 years.

(From the Vidalia Advance)

High Gum Yielding Slash Pine Grown

High gum yielding slash pine tree seedlings are being made available to Georgia landowners for the first time this year, announced Ray Shirley, director, Georgia Forestry Commission.

The production of the 942,000 slash pine, selectively grown for naval stores, represents another step forward in the Georgia Forestry Commission's Tree Improvement Program.

High gum yield trees were selected in Georgia and Florida based on the criteria that the selection must produce twice the amount of gum than a tree of the same diameter. The best first generation trees, from these selections, were selected and cuttings made available to cooperating agencies. In 1971, the Georgia Forestry Commission is making available trees, from the above first generation, which are classified as second generation trees from the original parent tree selection. These trees were tested and have shown a 12 percent volume growth above average and 50-100 percent more gum production than average.

For the second straight year, Improved, "Super" tree seedlings were grown from certified seed. The certified seed

stock will account for 46 percent of the total tree seedling crop of 50,745,424 trees, Shirley said. The improved tree seedlings consist of loblolly and slash pines.

Approximately 44,627,044 tree seedlings are available for order by Georgia landowners. An additional 6,118,380 tree seedlings are being grown under contract for industries. The seed, furnished by industry, came from their seed producing orchards.

In announcing the availability of tree seedlings, Shirley reported that prices are the same as for last year. Two species, black locust and baldcypress were added to the production list. Dropped from the list were swamp chestnut oak, chestnut oak and white oak.

James C. Wynens, chief, Reforestation Division, said that the early submission of orders is encouraged as all orders received prior to the first of November will be filled depending on supply. If orders exceed supply, the trees will be prorated between orders. Orders received after the first of November, Wynens added, will be filled on a first come, first serve basis.

He pointed out that seedling application forms can be obtained from the Forestry Commission County Rangers, County Agents, Soil Conservation Service Technicians and Agricultural Conservation Program Officers. All orders must be submitted on a Forestry Commission application form.

Wynens emphasized that payment must accompany all orders before shipment can be made. No refunds will be made on orders cancelled after February 1, 1972.

Mail the completed applications to the Georgia Forestry Commission, P. O. Box 819, Macon, Ga. 31202.

For assistance in determining your reforestation needs, contact your local county forest ranger.

Ordering Instructions

The following tree seedlings are being grown for sale by the Georgia Forestry Commission during the 1971-72 planting season.

SPECIES	Per 1000	500	50
Pines:			
Eastern White	\$ 9.00	\$4.50	\$2.00
Improved Loblolly	6.00	3.00	1.00
Improved Slash	6.00	3.00	1.00
Longleaf	5.00	2.50	1.00
Shortleaf	5.00	2.50	1.00
Slash	5.00	2.50	1.00
Virginia	5.00	2.50	1.00

OTHER:

Arizona Cypress	10.00	5.00	2.00
Lespedeza	6.00	3.00	1.00
Black Walnut	10.00	5.00	2.00
Catalpa	10.00	5.00	2.00
Cottonwood Cuttings	10.00	5.00	2.00
Dogwood	25.00	12.50	3.00
Sawtooth Oak	10.00	5.00	2.00
Red Cedar	10.00	5.00	2.00
Sycamore	10.00	5.00	2.00
Yellow Poplar	10.00	5.00	2.00
Black Locust	10.00	5.00	2.00
Baldcypress	10.00	5.00	2.00

A transportation charge of \$.50 per thousand trees and \$.25 per five hundred trees must be added to the above costs if trees are delivered by State Truck to County Ranger Headquarters. All sales of less than 500 trees must be in packages of 50 priced at multiple of 50 price.

APPLICATION FOR NURSERY STOCK ORDER NO. _____

GEORGIA FORESTRY COMMISSION MACON, GEORGIA 31202

P.O. BOX 819

NAME OF APPLICANT: _____ PHONE NO. _____

ADDRESS: _____ CITY _____ ZIP CODE _____

IF SEEDLINGS ARE TO BE DELIVERED TO SOMEONE OTHER THAN APPLICANT, COMPLETE THE FOLLOWING:

RECIPIENT'S NAME: _____ PHONE NO. _____

ADDRESS: _____ CITY _____ ZIP CODE _____

DATE	SPECIES	NUMBER OF SEEDLINGS	COUNTY OF PLANTING	FOREST DISTRICT	AREA

TYPE OF OWNERSHIP: (Check one)

1. Private persons, Clubs, Associations & Private Schools.

2. Private Forest Industry - Lumber Mfg.

3. Private Forest Industry - Pulp & Paper.

4. Private Forest Industry - Naval Stores, Plywood, etc.

5. Private other industry lands.

6. Town, County, and Public Schools.

7. State and other Public Lands.

8. Federal Government

9. Other (specify) _____

METHOD OF SHIPMENT: (Check one)

1 STATE TRUCK TO COUNTY FORESTRY OFFICE

2 APPLICANT WILL PICK UP AT NURSERY

SEEDLINGS RECEIVED IN GOOD CONDITION _____

HEREBY CERTIFY THAT I DESIRE TO PURCHASE THE ABOVE NURSERY STOCK UNDER CONDITIONS PRINTED ON THE BACK OF THIS FORM

PAYMENT: \$ _____ DATE _____ SIGNATURE _____

DO NOT WRITE BELOW THIS LINE

NURSERY ASSIGNED: OAVISBDRD HERTY WALKER MCRGAN

Forestry Information Center Dedicated

Perched atop world famous Stone Mountain is a new Forest Information Center. The Center, built and manned by the Georgia Forestry Commission, is housed in the top floor of a tower constructed by the Stone Mountain Authority.

The Information Center doubles as a forest fire lookout tower, and is manned by Mrs. Inez Shubert, a Forestry Commission towerwoman. Ray Shirley, Forestry Commission director, states that the operation of the Center is coordinated by John Mixon, Commission Metro forester in Atlanta.

The Information Center contains a cross section of a 500-year old cypress log, color transparencies with legends, a slide-tape program and other miscellaneous items.

In dedication ceremonies, Georgia Governor Jimmy Carter pointed out the important role the Center could play educating people from all walks of life to the need to clean up the environment and the role trees play in the ecological picture. Some 350,000 people a year are expected to view the Information Center, he said.

Governor Carter added that he would provide funds from his emergency fund to permit the best possible presentation at the Center. This is an opportunity too great to miss, particularly, since 69 percent of Georgia is in trees, and even within a 30-mile radius of Atlanta, 64 percent of the land is in trees, the State's chief executive emphasized.

Steps have been taken in this direction with the formation of a planning committee headed by Julian Reeves, deputy director, Georgia Forestry Commission. Reeves said the committee will formulate a statement of purpose and a plan of operation for the Forestry Environmental Center that will be presented to the Stone Mountain Authority director.

The center will include a bro-



The Georgia Forestry Commission's Forest Information Center, located on top of Stone Mountain, was recently dedicated by Georgia Governor Jimmy Carter. Looking at a section of a 500-year old cypress tree, located in the Center, are, l-r, Governor Carter, Mrs. Carter, Ray Shirley, Forestry Commission director and Tommy Irvin, State Commissioner of Agriculture.

chure, artist concept and plans for exhibits and dioramas that would make up the Center.

Serving on the planning committee are Roy L. Burson, director, Tourist Division, Industry and Trade; Harold Joiner, executive director, Georgia Forestry Association; John W. Lamb, branch chief, Construction and Maintenance, Division of Engineering, Region Eight, U. S. Forest Service; and Andrew J. Olson, assistant director, Fernbank Science Center.

The ex officio members are Tom Elliott, general manager, Stone Mountain Authority and Ray Shirley, Forestry Commission director.

Prior to the appointment of the planning committee, an advisory group met with the Stone Mountain Authority to discuss the advisability and proposed plans for the Forestry Environmental Center. Out of this group the planning committee was formed.

Represented on the advisory group were the Fernbank Science Center,

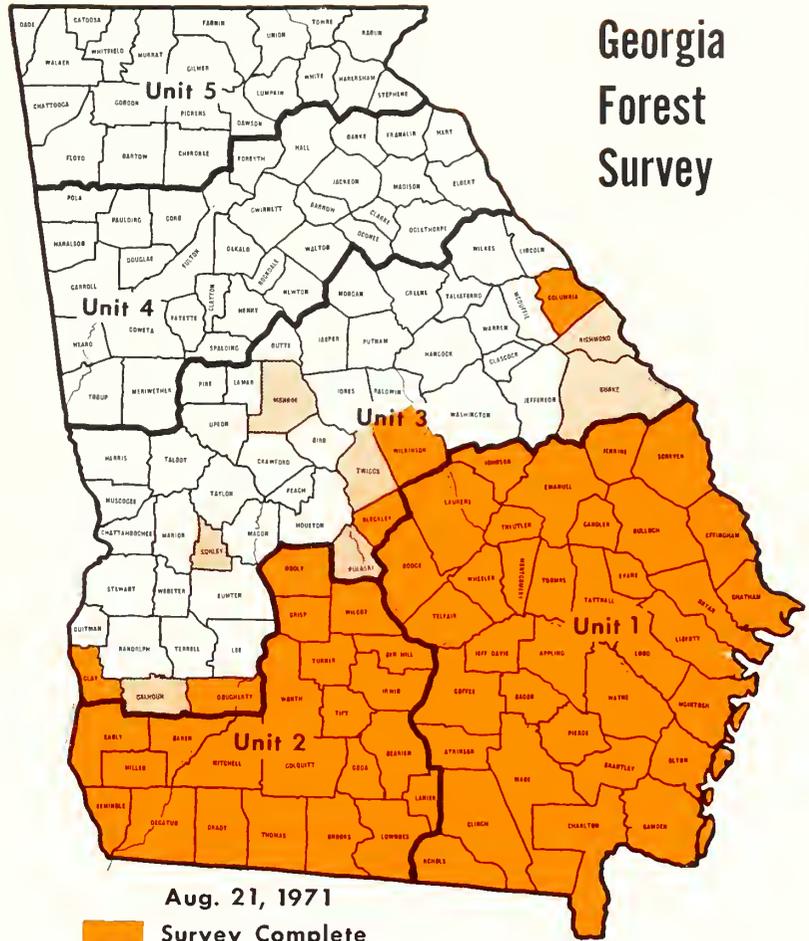
Georgia Forestry Association, Georgia Forestry Commission, Stone Mountain Memorial Association, Southern Forest Institute, University of Georgia and the U. S. Forest Service.

Shirley noted that education, industry and other interests are supporting this effort and believe it affords an excellent opportunity to meet a real conservation need through the environmental approach.

Shirley added that the Center will become a popular addition to the existing attractions at Stone Mountain.

Survey Reaches Halfway Mark

Georgia Forest Survey



Aug. 21, 1971

- Survey Complete
- Survey In Progress

The Forest survey of Georgia's 37.7 million acres has reached the halfway point, announces Thomas R. Bellamy, field supervisor for the survey.

Bellamy stated that the southeastern section of the coastal plain (unit one) is complete. A preliminary report on findings is expected by the end of the year, he added.

The late August report showed that the survey had moved into the southern piedmont (unit three) with 15 percent of the Unit completed. Completion of Unit three is expected by late Winter or early Spring, 1972.

Bellamy noted that if the present pace is maintained, the survey should be completed by November 1972. This would be ten months ahead of the original completion date.

The field supervisor cited the cooperation of Georgia Forestry Commission personnel and the reduction of sample plots as leading to the possible early finishing date. The Forestry Commission is furnishing one man in each county. Two men make up a survey team.

It is estimated that the statewide survey will now require visiting and tabulating conditions at 6,100 separate forest plots. The reduction from 6,796 plots was due to acreage losses in the

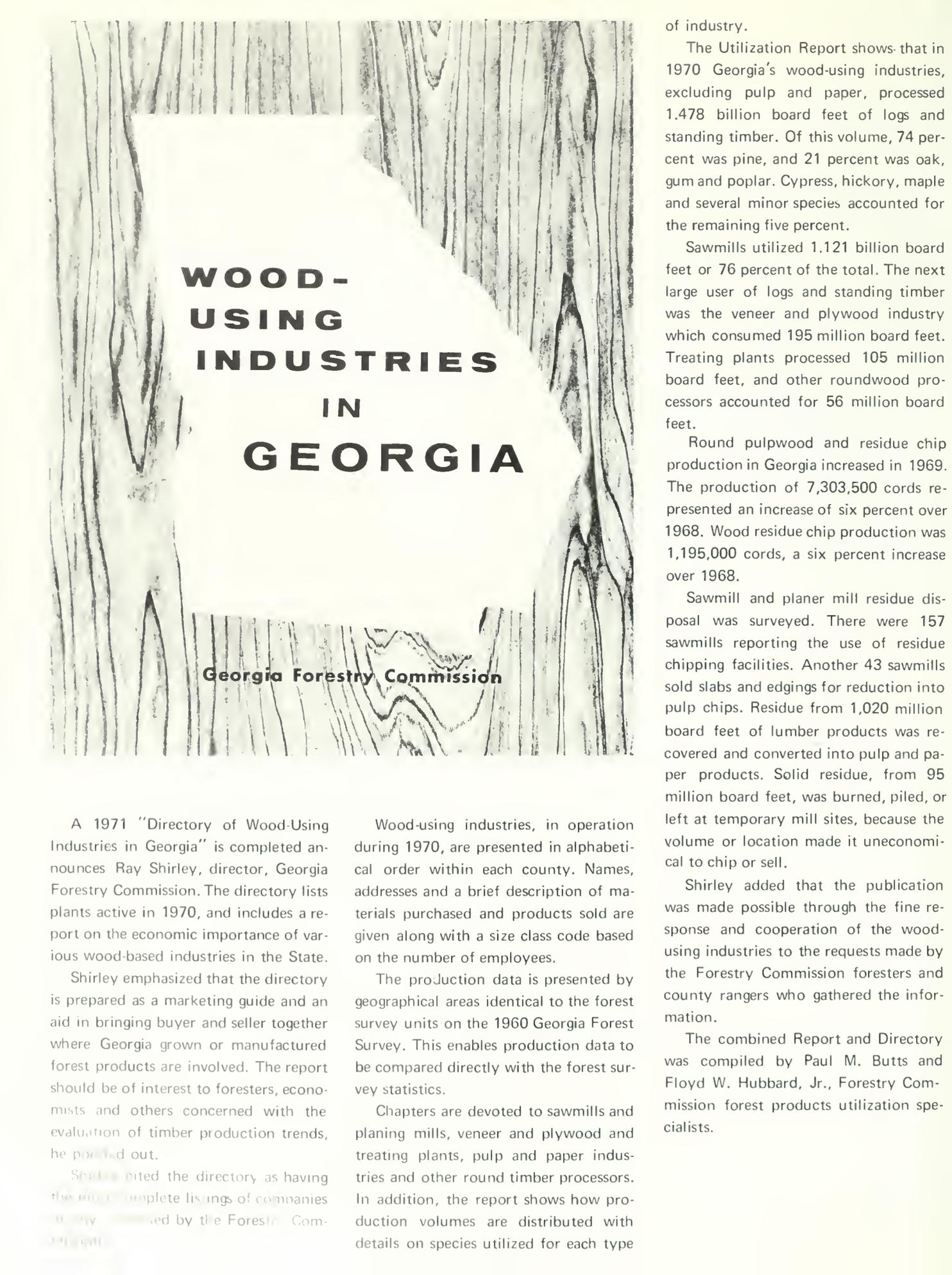
southwestern and southeastern sections.

With the completion of the southeastern section, the survey field office has been moved from Jesup to Milledgeville. The State headquarters for the survey field work is the Georgia Forest Research Council at the Georgia Forestry Center near Macon.

The forest survey is being conducted by the Southeastern Forest Experiment Station, U. S. Forest Service, Asheville, N. C. Joe P. McClure, project leader, Forest Survey, announced that Nolan Snyder is the new field supervisor for the Georgia survey. He succeeds Bellamy who has returned to Asheville.



The witness tree is tagged, scribed and measured. Tabulating the plot are Chip Craver, special studies assistant; and Nolan Snyder, field supervisor, USFS.



WOOD- USING INDUSTRIES IN GEORGIA

Georgia Forestry Commission

A 1971 "Directory of Wood-Using Industries in Georgia" is completed announces Ray Shirley, director, Georgia Forestry Commission. The directory lists plants active in 1970, and includes a report on the economic importance of various wood-based industries in the State.

Shirley emphasized that the directory is prepared as a marketing guide and an aid in bringing buyer and seller together where Georgia grown or manufactured forest products are involved. The report should be of interest to foresters, economists and others concerned with the evaluation of timber production trends, he pointed out.

Shirley cited the directory as having the most complete listings of companies in the industry compiled by the Forestry Commission.

Wood-using industries, in operation during 1970, are presented in alphabetical order within each county. Names, addresses and a brief description of materials purchased and products sold are given along with a size class code based on the number of employees.

The production data is presented by geographical areas identical to the forest survey units on the 1960 Georgia Forest Survey. This enables production data to be compared directly with the forest survey statistics.

Chapters are devoted to sawmills and planing mills, veneer and plywood and treating plants, pulp and paper industries and other round timber processors. In addition, the report shows how production volumes are distributed with details on species utilized for each type

of industry.

The Utilization Report shows that in 1970 Georgia's wood-using industries, excluding pulp and paper, processed 1.478 billion board feet of logs and standing timber. Of this volume, 74 percent was pine, and 21 percent was oak, gum and poplar. Cypress, hickory, maple and several minor species accounted for the remaining five percent.

Sawmills utilized 1.121 billion board feet or 76 percent of the total. The next large user of logs and standing timber was the veneer and plywood industry which consumed 195 million board feet. Treating plants processed 105 million board feet, and other roundwood processors accounted for 56 million board feet.

Round pulpwood and residue chip production in Georgia increased in 1969. The production of 7,303,500 cords represented an increase of six percent over 1968. Wood residue chip production was 1,195,000 cords, a six percent increase over 1968.

Sawmill and planer mill residue disposal was surveyed. There were 157 sawmills reporting the use of residue chipping facilities. Another 43 sawmills sold slabs and edgings for reduction into pulp chips. Residue from 1,020 million board feet of lumber products was recovered and converted into pulp and paper products. Solid residue, from 95 million board feet, was burned, piled, or left at temporary mill sites, because the volume or location made it uneconomical to chip or sell.

Shirley added that the publication was made possible through the fine response and cooperation of the wood-using industries to the requests made by the Forestry Commission foresters and county rangers who gathered the information.

The combined Report and Directory was compiled by Paul M. Butts and Floyd W. Hubbard, Jr., Forestry Commission forest products utilization specialists.



Photo by Fabian Bachrach
Gov. Jimmy Carter

A preliminary Georgia state reorganization plan, reducing the number of state budgeted agencies from 65-18 has been announced.

The tentative proposals were unveiled by a 107-member study team to the organization Executive Committee of state and business leaders who will decide on the final plan to be submitted to the 1972 General Assembly.

Governor Jimmy Carter, chairman of the committee, emphasized that the preliminary proposals definitely will change. "The reorganization study will continue until around October 1," he said. "There are many important elements that still must be taken into consideration before final decisions can be made."

The Governor said the preliminary recommendations are being made public to keep Georgia citizens, state officials and legislators informed of the reorganization plans.

"We are interested in stimulating public discussion so that the best possible plan can be developed," Governor Carter pointed out.

Various alternatives to the realignment of state agencies were also presented to the Executive Committee. "We will study these alternatives and many other aspects of state government before making a final decision," Governor Carter added.

Reorganization was authorized by the 1971 General Assembly to streamline and simplify the executive branch of state government in the areas of ad-

ministration and management. It is a move that will improve state services and save money. Specific governmental programs are not involved in the study.

The 18 surviving agencies, called "preliminary functional groupings" by the study team, in the preliminary reorganization plan would serve in these areas: Agriculture, Business Regulation (Comptroller General), Education, Executive Office, Labor, Law, Public Service Commission, Office of Secretary of State, Treasury, Administration, Community Affairs and Development, De-

Forestry in Natural Resources Agency

fense, Human Resources, Natural Resources, Public Safety, Revenue, Transportation and University System of Georgia.

The Georgia Forestry Commission falls under the Natural Resources Agency. Other agencies aligned in the Natural Resources Agency are Game and Fish, Mines, Mining and Geology, Public Health (environmental areas), Commissioner of Conservation and Recreation.

Included are the Historical Commis-

sion, Groveland Lake Development, Stone Mountain Memorial Park, Jekyll Island State Park, North Georgia Mountains Commission, Lake Lanier Islands Development and Soil and Water Conservation Commission.

Forest Research Council, Mineral Leasing Commission, Surface Mined Land Use Board, Council for the Preservation of Natural Areas, Ocean Science Center of the Atlantic, Altamaha River Basin Development Commission and the Chattahoochee River Basin Development Commission complete the list.

The presentation was made by Tom Linder, Jr., State Planning Officer, who is project director for the reorganization study and a member of the committee.

Linder pointed out that the preliminary plan does not deal with more than 200 non-budgeted boards, commissions and bureaus.

"Those 200 agencies are being studied now and will be placed in appropriate departments when the reorganization structure is completed this fall," he noted.

"There are 17 support studies underway," Linder said. "We expect to save many millions of dollars in these vital areas. A final decision in these areas almost certainly will produce some changes in the preliminary plan."

A third element, yet to be added to the preliminary plan, according to the project director, is a recommendation on the type of director or board that should head each of the agencies finally recommended to the General Assembly for reorganization.

"Specific recommendations in this area will be made," Linder stated.

While all 65 budgeted agencies are listed under one of the 18 groupings, Linder said this does not mean that the organizational identity of these agencies will be maintained in the final proposal.

"It does mean that the functions now carried on by the various agencies under a particular grouping would be the responsibility of the new agency finally created," he said.

Besides Governor Carter and Linder, members of the Executive Committee are Senator Lamar R. Plunkett, Representative George D. Busbee, State Auditor Ernest B. Davis, State Budget Officer J. Battle Hall and Clifford Clarke, President of the Georgia Business and Industry Association.

Ecology And Taxes Gain Delegates Attention

Georgia Governor Jimmy Carter has called for concern about ecology, erosion, balance of nature, beauty and economic benefit from our surroundings now and for many decades to come.

Addressing Georgia Forestry Association delegates at their banquet at Jekyll Island, Gov. Carter emphasized that there is no time to waste.

He cited Georgia's tremendous advantage over other states in having 69 percent of its land area in trees. The Governor pointed out that our position of preserving trees has come about because of two basic reasons. They are enlightened leadership on the part of many people, and an inherent love of a human being for the outdoors, for pure water and for a beautiful tree.

Georgia's executive leader noted the state's relatively good position and the need to do much more. "We must educate our citizens about the beauties we have, the contribution of our forest lands to the enjoyment of our own lives, the economic benefit to be derived from it and how to answer their own questions about how to best utilize forest resources and outdoor beauty," Carter added.

"One of the major limiting factors in doubling tree production in Georgia is that of ad valorem taxes."

Thomas T. Irvin, commissioner, Georgia Department of Agriculture, keynoting the Association's 1971 annual meeting reminded members that Georgia's forest industries employ one out of every five Georgians and that approximately 200,000 persons own forest land in Georgia.

However, Commissioner Irvin emphasized that new sources of tax income, to support local governments, are a necessity if Georgia and other areas are to meet forestry needs of the future.

The Forestry Association's tax committee has called for an amendment of the state constitution providing that the evaluation of farm and forest land for ad valorem tax purposes be based on the capability of the land to produce farm and forest crops rather than on fair market value.

Adron Harden, Macon, legislation and commodity director, Georgia Farm Bureau; W. N. Haynes, Savannah, manager, Woodlands Division, Union Camp Corp.; and Dr. A. Hargreaves, Jr., Auburn, professor, School of Forest Resources,

University of Georgia, comprising a "Taxes and Trees" panel, held that the law should encourage landowners to maintain their property in a productive condition; not devastated to produce the tax base.

The present law encourages clear cutting and the liquidation of the forestry enterprise.

The panel presented a proposed bill, "The Open Space Land Assessment Act" which will be put into the 1972 legislative hopper. The Act calls for the preservation of farm forest and other open space land for the production of farm and forest crops, for the raising of livestock, to conserve for the use and enjoyment of its citizens recreation, green belts, natural areas, historic sites and aesthetics, and to prevent the forced conversion of such open space lands to more intensive uses as the result of economic pressures caused by the assessment of ad valorem taxes.

Robert H. Collom, Jr., director, Air Quality Control Branch, Georgia Department of Public Health, pointed out that state laws exempt the control of burning over forested areas. He emphasized that the law will have to be changed so that it will have power over prescribed burning. Collom said that the law will not stop burning, but will control the time and purpose of any burning.

He cited the pulp and paper mills as a large contributor to our air pollution problems. However, through their cooperation, mills are slated to meet all requirements by the end of 1973.

The General session of the three day meeting was concluded with presentations by W.M. Oettmeier, Fargo, president, Superior Pine Products Co. and Eddie Millsaps, Marietta, State 4H forestry champion.

Oettmeier made a film presentation, "Forestry-Yesterday" depicting early 20th century forest management practices. Millsaps discussed "Youth and Forestry" noting the complimentary roles of environment and trees.

Gerald B. Saunders, in his president's report, noted the growth of the Association during the past year of 33 percent. He cited the increase as a step toward the Association goal of making the GFA the largest membership group in the state.

In making his final report to the delegates, Saunders reminded them of the



Noll A. Van Cleave

importance of forestry calling attention to the growth of wood-using industry, development of genetically improved trees and the effect on the state's economic profile.

Noll A. Van Cleave of Columbus was named president of the Association. He succeeds Gerald B. Saunders of Columbus who was elected chairman of the board.

William Pope of Washington was elected vice president. The Wilkes County landowner is a past member of the Association's board of directors. Other officers are Jim Howard, president, Atlanta Hardwood Co., Atlanta, treasurer. He succeeds C. M. Chapman who retired.

Harold Joiner, executive director, and Mrs. Helen M. Dixon, secretary, both of Atlanta, were reelected to their respective positions.

Van Cleave is president of Valleywood, Inc., Richland. He has been associated with the company since 1957 in his present position. Previous business associations have been with Union Camp Paper Corp., Savannah, 1950-51 and St. Regis Paper Co., Pensacola, Fla., 1951-57.

The native of Mobile, Ala. is a past director and vice president of the GFA. He is a member of the Society of American Foresters, American Pulpwood Association and the Florida Forestry Association.

Van Cleave is a member of the Columbus Rotary Club and a past president of the Pensacola, Fla. Lions Club.

A 1950 graduate of the University of Auburn School of Forestry, Van Cleave served in the U.S. Army Air Force from 1944-45. At Auburn he was a member of the Forestry Club and Sigma Chi fraternity.

Van Cleave and his wife, the former Betty Steber of Mobile, Ala., have three children. They are Skipper, 14; and

OCIATION IN



Louie F. Deaton

to the city. It was through his early work and demands for forestry services that the Forestry Commission Metro Forestry Program had its inception in 1967.

The citation was presented by the Cooperative Forest Fire Prevention Committee, Mal Hardy, director, U.S. Forest Service. The presentation was made by William H. Brandau, chief, Cooperative Fire Control Division, State and Private Forestry, USFS, Atlanta.

The Association's Forestry Public Service award went to George F. Stewart, editor, Brantley Enterprise, Nahunta, and Christopher A. Barbier, sales manager, WJCL-TV, Savannah. The awards were presented the media in recognition of the time, space and effort given to the perpetuation of forest conservation.

Distinguished Service awards were presented to Cecil W. Chapman, retired State Conservationist, Soil Conservation Service, USDA, Athens; C.M. Chapman, retired treasurer, GFA, Atlanta; and Kirk Armstrong, seed processor Forestry Commission, Macon.

Cecil Chapman was cited for his 38 years of service, the past 17 as State Conservationist, with the SCS. Throughout his tenure, he consistently supported tree planting and forest management as one of the main parts of the total soil and water conservation program in Georgia.

C.M. Chapman was noted for his services to the GFA during his term as treasurer;

Armstrong was cited for contributions to Reforestation in Georgia. He is in charge of the Forestry Commission's seed processing facilities, and has worked in the Tree Improvement Program in forest genetics.

The awards were presented by the Association's executive director, Harold Joiner.

won the Forest Education and Reforestation awards. The Brunswick Area consists of Brantley, Camden and Glynn Counties.

Another dual winner was the Richmond County Forestry Unit, headed by T.M. Strickland. The Unit took the Forest Education and Reforestation awards on the Unit level.

The Forest Administration award went to the Bainbridge Area headed by W.J. Royal. The Area counties are Decatur, Grady and Seminole.

The Forest Management Area award went to the Millen Area headed by Gerald W. Green. The Area counties are Burke, Jenkins and Screven. The Haralson-Polk Forestry Unit, headed by Spencer McGraw, received the Forest Management Unit award.

The Forest Protection Area award was taken by the McRae Area headed by H. Grady Williams. The Area counties are Bleckley, Dodge and Laurens. The Glynn County Forestry Unit, headed by Clarence Hilburn, won the Forest Protection Unit award.

Nelson Brightwell, forester, Georgia Extension Service, Athens, presented the awards.

The awards program was highlighted by the presentation of the Smokey Bear Citation for outstanding service in the field of forest fire prevention. Louie F. Deaton of Fairburn, Atlanta Metro Forester, Forestry Commission, was the recipient. Deaton was cited for his imagination and creativity in the utilization of Smokey the Bear and his own creation, "Mister Tree", in bringing forestry



Miss Georgia Forestry Dianne Brown

daughters Devery, 16; and Jane, 17.

The Van Cleave's are members of the St. Annes Catholic Church in Columbus.

The 1971 Miss Georgia Forestry is 18 year old Dianne Brown of Columbus. The hazel-eyed blonde was crowned by the reigning queen, Miss Lana Funderburke of Metter. Miss Harriett Cooper of Ochlochnee was the runnerup.

In winning the pageant, Miss Brown received a \$500 college scholarship. During the year, she will represent the Association at various forestry functions.

Miss Brown, chosen from a field of 23 county forestry queens, is the daughter of Sgt. and Mrs. Ernest A. Walter of Columbus. Miss Cooper is the daughter of Mr. and Mrs. Floyd Cooper of Ochlochnee.

There were seven winners of the Performance of Excellence Awards. The Brunswick Area, headed by H.L. Neal,



Areas and Units recognized by the Georgia Forestry Association are. 1-r, Gerald W. Green, Millen Area; T.M. Strickland, Richmond County; Spencer McGraw, Haralson-Polk; Kirk Armstrong, Seed Processing; Clarence Hilburn, Glynn County; H. Grady Williams, McRae Area; H.L. Neal, Brunswick Area; and W.J. Royal, Bainbridge Area.



► L. W. Eberhardt, Jr., director, University of Georgia Cooperative Extension Service, has retired after 35 years with the organization.

President Fred C. Davison, in announcing Eberhardt's retirement, praised him for his strong leadership qualities.

He pointed out that Eberhardt, who was named Extension Director and a professor on the University faculty in 1963, has given leadership to the development of three long-range programs to increase the state's agricultural income and to boost Georgia's total economy. Major program activities have centered around agricultural efficiency, home economics, 4H Club work, and community and resource development including work with agribusiness firms.

During this time, he has seen the state's agricultural income increase from \$835 million in 1959 to nearly \$1.4 billion in 1969. Net income per farm went up from \$2,224 to \$6,528 during the period.

In beginning his Extension career in 1936, Eberhardt served as an assistant county agent and as a county agent. He also served on the state staff as assistant forester, assistant state 4H Club leader and district agent for the southcentral district. He was appointed Associate Director in 1954.

Eberhardt, chairman, Southern Extension Directors, is a member of the advisory committee of the agricultural committee of the Southern Region Education Board and the executive committee for conduct of the State Technical Services program.

In 1969 he received a Superior Service Award from the USDA.

tion of his work in reorganizing the Georgia Extension Service. In 1964 he was named by the Progressive Farmer magazine as Man-of-the-Year in Service to Georgia's agriculture. He was cited by the Georgia Association of County Commissioners in 1970 as Georgia's Man-of-the-Year.

Eberhardt is a member of a number of honorary societies including Phi Kappa Phi, Aghon, Gamma Sigma Delta and Gridiron. He is a former president of the Alumni Association of the School of Forest Resources and a former district membership chairman for the University Alumni Society.

He is married to the former Eleanor Bailey, of Douglas. They have two sons and four grandchildren.



► Dr. Charles P. Ellington, director of programs for the Maryland State Board of Agriculture, has been named director of the Cooperative Extension Service of the University of Georgia College of Agriculture.

A native of Lindale and a graduate of the University of Georgia College of Agriculture, 1950, Dr. Ellington succeeds Mr. L. W. (Hoop) Eberhardt, Jr., who has retired. He received the M.S. degree from the University of Maryland in 1952 and the Ph.D. degree from Pennsylvania State University in 1964.

The new Extension director is a member of the American Society of Agronomy and Crop Science Society of America, and Alpha Zeta, Phi Kappa Phi and Epsilon Sigma Phi fraternities. He has been active in scouting, Boys Club work and Rotary.

Dr. Ellington is married to the former Margaret Bean of Trion, Georgia.

Forestry Faces

The Ellingtons have two children, a daughter, Martha, who is married and living in Maryland, and a son, Charles, who is an honor student in the pre-med program at Duke University.

LAMAR W. CLARK

► A patrolman with the Montgomery-Treutlen-Wheeler Forestry Unit, Lamar W. Clark, 61, has died. He worked out of the Wheeler Co. office.

The native of Wheeler Co. came with the Georgia Forestry Commission as a towerman in 1961, and was promoted to assistant patrolman in the same year. Clark was elevated to patrolman in 1971.

Ray Shirley, Forestry Commission director, praised his service, pointing out dedication to job and high regard for responsibility.

ERNEST H. TERRY

► Former Georgia Forestry Commission special investigator Ernest H. Terry is dead.

A native of Forsyth County, Terry came with the Forestry Commission in 1945 as an investigator in the Gainesville District. He was made chief investigator in charge of law enforcement in 1946. In 1956, he became special investigator.

Terry, a former private railroad investigator for Tallulah Falls and Southern railroads, was a former inspector for the Commodities Division of Georgia.

HENRY D. STORY, JR.

► Henry Dave Story, Jr., 71, a former acting state forester, is dead.

The native of Amite, La. came with the Forestry Commission as a district forester in 1931. Story was appointed acting assistant State forester in December 1946 and served until April 1947. He left the Forestry Commission in 1947 as assistant district forester returning to Louisiana.

While in charge of the nursery program in Georgia, Story had a prominent role in starting the Flowery Branch and Herty Nurseries.

And Places



► Cecil W. Chapman, State conservationist, Soil Conservation Service, USDA, has retired.

Chapman has served at various technical and administrative levels of responsibility with the SCS up to the position of state conservationist which he held since 1954. In this capacity, he directed all of the program activities of the SCS in Georgia.

Chapman consistently supported tree planting and forest management as one of the main parts of the total soil and

water conservation program in Georgia. A 1932 graduate of the University of Georgia with a degree in Agricultural Engineering, Chapman went with the U. S. Department of Agriculture in 1933. In his 38 years of service, he helped establish the first soil erosion demonstration project in Georgia on Sandy Creek at Athens. He was a member of the supervisory staff of the first CCC Camp in Georgia in Stephens County. Chapman assisted in establishing the first tree seedling nursery in Georgia by the federal government near Americus.

Chapman has been recognized by his fellow professionals including the USDA, Soil Conservation Society of America and the Georgia Forestry Association.

The native of Emanuel County served as commander of the 1st Battalion, 347th Infantry during the Battle of the Bulge. He concluded his military career with the rank of Lt. Colonel.

He is a member of the SCSA, American Society of Agricultural Engineers and American Legion. Chapman is a Mason, an Elk and a Rotarian.

Chapman is married to the former Miss Claudie Wheeler of Sparta. They have four daughters, Suzanne, Cecilia, Claudia and Linda. The family is a member of the Baptist Church.



► W. Bailey Jones, district conservationist, Soil Conservation Service, Banks-Franklin Work Unit, won first place for the black and white photo, "From Tree to Tray" in the Georgia Chapter, SCSA sponsored contest. Will Brady, 77, for the past 44 years has been hewing bread trays from river birch trees. It takes four days to produce one tray starting with stock on left. Photo by USDA-SCS.



► There are 48,900 forest acres in Barrow County. This represents 44.7 percent of the land area.

Approximately 85 percent of the forest acreage is farmer-owned. Industry-owned forest acreage is 1.6 percent. The forest acreage has a growing volume of 78.3 million board feet of sawtimber and 562,000 cords of pulpwood.

In 1969 there were 21,284 cords of round pulpwood produced. The highest productive year was 1967 when 21,570 cords were harvested. Since 1946, production has totaled 139,936 cords of round pulpwood.

There are three wood-using industries in the county employing approximately 61 people with a payroll of \$238,272. The products of these industries include bedroom furniture, green and air dried lumber, cabinets, millwork and pulpwood.



► H. R. Horton, center, Mt. Vernon, has retired after 17-years service as a nurseryman with the Georgia Forestry Commission. John W. Johnson, superintendent, Horseshoe Bend Seed Orchard, presented Horton with a Faithful Service Award. Participating in the ceremony was Terrell Brooks, assistant chief, Reforestation Division, Forestry Commission, Macon. Ray Shirley, Forestry Commission director, said the retired nurseryman can be proud of the part he has played in Georgia's tree genetics program. Shirley added that his work was a tribute to him as a man and to the State as an employee.

Memorial Honors

Late Extension Forester

A memorial program, honoring the late C. Dorsey Dyer, Georgia's Extension Forester, was recently held at the

Rock Eagle 4H Center. Friends from over the State gathered to pay tribute to this great forester whose innovative for-

estry techniques, and working with land-owners, made him admired and respected by all who knew him.

A portrait, painted by Walter Frobos of Athens, was unveiled, and will be displayed in the Union Camp Building at the Rock Eagle 4H Center. The Portrait was unveiled by Dorsey's two sons, C. Dorsey Dyer, Jr. and Cooper R. Dyer. Accepting the portrait for Rock Eagle was Dr. Tommy L. Walton, State 4H Leader.

The eulogy was delivered by Charles R. O'Kelly, assistant director, Cooperative Extension Service. A remembrance was given by Harold Joiner, executive director, Georgia Forestry Association.

It was announced that two granite benches will be installed in Dyer's memory at the Union Camp Building.

Presiding over the ceremonies was L.W. Eberhardt, Jr., director, Cooperative Extension Service.

Among those attending the ceremonies were Mrs. Martha H. Dyer, Savannah, Dyer's mother; his wife, Ethel Lee, Athens; his twin brother, J. David Dyer, Sparta; and two sons, Dorsey, Jr. and Cooper.



The portrait of the late C. Dorsey Dyer will be displayed in the Union Camp Cottage at Rock Eagle. Participating in the ceremony were, l-r, Mrs. Ethel Lee Dyer, Dorsey Dyer, Jr. and Cooper R. Dyer, all of Athens; Mrs. Martha H. Dyer, Savannah; and J. David Dyer, Sparta.

New offices have been erected in six Georgia Forestry Commission Areas representing 24 counties.

The new facilities were erected at an average cost of approximately \$6,000 each, announced Ray Shirley, Forestry Commission director. Shirley said that the modern offices replaced old buildings that were in bad need of repair and could no longer meet space requirements.

The six office structures, involving 8,400 square feet each, were designed by the Forestry Commission and erected by local Area and Forestry Unit personnel. The low construction costs are attributed to the precutting of the outside and inside wall framing, rafters, weather board and floor joists at the Georgia Forestry Center near Macon.

In addition to the six offices, there are two baths and a storage room. The offices are paneled and carpeted. The area forester, unit manager, project forester and administration and reception occupy the offices.

The offices are located at Bainbridge, Blakely, Columbus, Mount Vernon and Key.

New Offices Built



The Bainbridge Area encompasses three counties, Decatur, Grady and Seminole.

The Blakley Area involves Calhoun, Clay, Early and Miller Counties.

Chattahoochee, Harris, Marion, Muscogee and Talbot Counties make up the Columbus Area.

The Homerville Area consists of Atkinson, Clinch and Echols Counties.

Montgomery, Toombs, Treutlen and Wheeler Counties are in the Mount Vernon Area.

The five counties in the Perry Area are Crisp, Dooly, Houston, Peach and Pulaski.

Forest Protection Funds Anticipated

Legislation is before the United States House and Senate that will net Georgia an increase of approximately \$115,000 in Federal forest protection funds. The last increase in Federal funds was in 1967.

The announcement was made jointly by Senators Herman Talmadge and David H. Gambrell who are sponsoring the increase in appropriations. Along with Senators Talmadge and Gambrell, Jack Flynt, Jr., Georgia's Sixth District Congressman is playing a major role in seeking approval of the increase as a member of the committee considering the House request.

Other Georgia Congressmen giving their support are G. Elliott Hagan, First District; Dawson Mathis, Second District; Jack T. Brinkley, Third District;

Ben B. Blackburn, Fourth District; Fletcher Thompson, Fifth District; John W. Davis, Seventh District; W.S. Stuckey, Jr., Eighth District; Philip M. Landrum, Ninth District; and Robert G. Stephens, Jr., Tenth District.

The legislation is being pushed for passage through the National Association of State Foresters. Ray Shirley, director, Georgia Forestry Commission, is a member of the Association's legislative committee.

Senator Talmadge pointed out that Georgia's proposed allotment is the largest of the anticipated \$3,527,000 increase to all States. The increase would bring the total forest protection funds to \$19,996,000.

Each State's share is prorated on the basis of privately-owned forest land,

Talmadge added. The Georgia Forestry Commission protects 24,066,400 State and privately-owned forest acres. This is the largest forest area being protected by any State.

Shirley cited the appropriation as invaluable in meeting the rising costs of forest fire protection, declining revenue and the impetus on ecology. The funds, if approved, will be made available for the 1972 fiscal year beginning July 1.

Cooperative federal funds for Georgia amounted to \$662,026 in 1971. The increased appropriation will bring this figure to approximately \$777,026, Shirley stated.

Georgia is indebted to its congressional delegation for the time and effort given in the interest of forestry which is so vital to the State's economy.

Goals For Georgia

Shirley Heads Forestry Sub - Committee

Governor Jimmy Carter has announced the selection of a blue ribbon group of Georgia conservationists to help recommend State action during the Carter administration to protect and enhance the environment.

"I am gratified that these outstanding citizens of our State have agreed to devote their volunteer efforts toward making Georgia a better place for all of us to live," Carter said. The Georgia Governor has made environmental concerns an area of major emphasis in State government.

Ray Shirley, director, Georgia Forestry Commission has been named to chair a sub-committee on Forestry in the Goals for Georgia program by Governor Carter. The sub-committee will function with three others under the committee on Food-Fiber-Mineral Environment under the leadership of Dr. Gene Younts of the Youth Development Center.

The program purposes included iden-



Ray Shirley

tifying problems and determine solutions to alleviate them; set priorities among the most important issues to be solved; establish goals for the next biennium; and develop realistic programs to reach the desired goals.

Shirley said that he has obtained a good cross section of the people who own forest land, and are affected the most by problems relating to forests to serve on the sub-committee. They will be participating in meeting over the State in the Goals for Georgia program.

Forestry items being covered include forest taxation, timber markets, timber stand improvement and reforestation and site preparation.

Others are technical assistance to small forest landowners, forest protection, forest education and inventory of forest resources.

Urban and environmental forestry, forest utilization, forest genetics and research complete the list.

LETTERS

EDUCATION

I am writing to thank you for the services of the forestry education people who did such a fine job in our recent Environmental Education Institute held for school teachers here and at Shorter College. I am enclosing a copy of the evaluation made by the teacher participants which will be the best indication of the outstanding performance of your people. As you know, Mr. Place and Mr. Craven have worked with us for several years in this capacity and have been most influential in making this program a success. Thank you again for the help of your personnel.

Clyde Connell
Head, Biology Dept.
Valdosta State College

I want to thank you for again this year furnishing us a staff member for the Georgia Boys State program. We are fortunate that you again saw fit to allow John Butler to attend. John has been with us for several years and does an outstanding job. His every action during the week reflected the greatest credit to himself and to your department.

George Osborne
Department Adjutant
The American Legion

Thanks a million for the excellent presentation you gave to our group of vocational agriculture teachers during our forestry clinic on July 8.

Please convey to Mr. Ollie Knott, Jr. our thanks for the fine work he did on the film.

B. M. "Chick" Dillard
Area Forester
Agricultural Education
State Department of
Education

TOUR

On behalf of "Team 6, Sweden", I wish to express our sincere thanks for the arrangements planned by you in a way that made our stay at the Commission most interesting and enjoyable for us.

Our sincere thanks to Messers Paul Butts, Willie McCalister, Jim Wynens, John Mixon and Jay L. Lee for their very interesting and informative presentations to Mr. Jay Shirley and the Georgia Forestry Commission.

On behalf of the second-year Forestry students of the Horry-Georgetown Technical Education Center and myself. Thank you for your cooperation and assistance in making our recent Georgia tour a big success.

You planned a very interesting and educational tour of the forestry complex. Since our trip went so smoothly, we are going to make it an annual affair.

Joe H. Phillips
Head
Forestry Department

EXHIBITS

Members of the Waycross-Ware County Forest Festival Committee and Chamber of Commerce wish to thank you for your participation in the 1971 Forest Festival. Your exhibit was very well received by the public attending the Festival.

We hope your organization will plan to participate in future Waycross-Ware County Forest Festivals. Your support assures continued Festival success.

Larry L. Calvert
Chairman
Educational Exhibit
Committee

We deeply appreciate the fine spirit of cooperation the Forestry Commission gave us in sponsoring our successful "Sidewalk Sale" in downtown Rome, May 28 and 29.

It is good to know that friends like you can be counted on in working together for a community promotion event.

Thank you for helping us by participating with your display on East Fourth Avenue.

Fred Warden, Chairman
Promotion Planning
Committee
Chamber of Commerce

MR. TREE

I am very grateful to you for sharing Mr. Louie Deaton with our television audience here in Columbus and the surrounding area, for he is a very unique and talented man. His "Mr. Tree" idea is "where it's at" as far as I'm concerned, and I feel that the results are going to be extremely far-reaching when the children he is impressing now grow up! I was totally captivated by his presentation.

You men are accomplishing remarkable things with the great programs and education on forestry you are doing now. I am so pleased to have been able to share such progressive ideas with my audience.

Patsy Avery
WTVM
Columbus

ICE STORM

I take this opportunity to commend the Morgan-Walton Counties branch of the Georgia Forestry Commission for their courtesy, accomodation, and professional ability.

I own a few acres of timberland in Walton County which received considerable damage due to icing during late March. I contacted the Commission and requested that this timber acreage be checked and selectively marked for marketing according to recommended timber management practices. The request was handled promptly and thoroughly.

Again, let me congratulate you on the quality personnel in the Walton-Morgan Unit. These men and their organization are a credit not only to the Georgia Forestry Commission, but to their profession and to the area they serve.

Preston Prather
Instructor, CDUEP
Georgia Center for
Continuing Education

FIRE SUPPRESSION

While working on a commercial campground we are developing in northwest Cobb County a forest fire broke out a few hundred yards to the southwest of my development. The fire was reported by someone before my report went in; the local Fire Department responded but decided since there were no houses involved it wasn't within their jurisdiction.

Shortly, your men arrived with a tractor, and proceeded to contain the fire. I observed the men of the Forestry Commission from their arrival to their departure and I would like to give them a sincere vote of thanks for a job well done; they were professional, efficient and really did the job.

I just wanted to let you know that, as a Georgia resident and taxpayer, I was proud and pleased to see how well these men performed their jobs.

Forrest L. Smith, Jr.
Wilson Real Estate
Marietta, Georgia

MEETING

I would like to express my appreciation and also the appreciation of the Soil Conservation Society of America for Mr. Louie Deaton's moderation of the excellent panel at the recent chapter meeting. Based on reports I received, this was one of the highlights of the session. Deaton's technique of moderating was excellent.

Frank T. Bailey
Vice President
Georgia Chapter, SCSA

Logging The Foresters...

Service Awards

25 YEARS

Therman M. Strickland....Ranger
Augusta, Ga.
Jan. 1, 1971

20 YEARS

George Bower..... Aircraft Pilot
Gainesville, Ga.
Feb. 1, 1971

Thomas L. Holmes.....Ranger
Marietta, Ga.
May 1, 1971

Richard T. Kirkland.....Ranger
Waycross, Ga.
Oct. 1, 1971

Zella Wilbanks.....Stenographer
Gainesville, Ga.
Apr. 1, 1971

FOREST FARMER MANUAL...The 1971 edition of the Forest Farmer Manual, published by the Forest Farmers Association in Atlanta, is available. The 208 pages of text and illustration offers the first comprehensive coverage of all phases of timber growing in the South, from planting the tree to milling the product, since 1966. The manual costs \$7 per copy, and is available from the Forest Farmers Asso., Suite 650, 1375 Peachtree Street, N. E., Atlanta, Ga. 30309.

AWARDS...The 1971 Forest Farmer award went to Henry J. Malsberger. He retired as general manager of the Southern Pulpwood Conservation Association in 1968 after 23 years of service...**ERNIE BAGLEY**, a junior at Nicholls High School is the 1971 winner in Union Camp Corp. FFA Forestry Home Project program. For his winning effort Union Camp presented him a check for \$150. Bagley is the son of Mrs. Edna C. Bagley of Route 1, Millwood...**TIM LEARD**, Lavonia, 12th grade Franklin Co. High School student, placed first at the 10th Natural Resources Conservation Workshop at Abraham Baldwin Agricultural College, Tifton, announced Sam Dunaway, Workshop director.

Leard received a camera, plaque and scholarship to the college of his choice in the University of Georgia system.



Fred C. Gragg, kneeling, vice president, International Paper Co., completes the planting of the company's one millionth acre of planted pine trees in the South. Assisting are Darwin E. Fender, center, chief forester, IP's Southern Kraft Division Woodlands Department, and R.M. Nonnemacher, manager, IP's Southlands Experiment Forest near Bainbridge.

HONOR...The Georgia Chapter, Soil Conservation Society of America, received recognition in the Society's con-

servation photo contest. Charles B. Place, Jr., Chapter sec.-treas., won first place in the 2X2 inch color slide story series entitled "A Family Affair". The slides were taken at Bullsluice on the Chattooga River in Northeast Georgia. Place was presented an award at the President's luncheon during the SCSA's Columbus, Ohio convention.



Miss Richmond County Forestry, Susan Little, and "Smokey Bear" took part in ceremonies recognizing Georgia's champion red cedar tree. The program was cooperatively sponsored by the Augusta-Richmond County Beautification Conservation Club and The Environs Co. which is the site of the tree. Mrs. Herbert W. Youngblood is president of the B-C Club, and Guy C. Crain heads The Environs Co.



The Fulton County Forestry Unit's conservation float won first place in the WSB-TV "Salute to America" parade held in Atlanta. Louie Deaton, Atlanta Metro Forester, designed the float which featured "Mr. Tree", a creation of Deaton. The green float, accented by a red, white and blue banner running through the center, was constructed by Unit personnel, headed by James Bass.

September, 1971

Smokey Bear Illustrator Retires

The man who is credited with fostering the idea of Smokey Bear, in the early 1940's, has retired.

Harry L. Rossoll, supervisor-illustrator, Region Eight, U.S. Forest Service, Atlanta, in his 34 years of service has used Smokey Bear in hundreds of publications and at least 1,000 newspaper fillers.

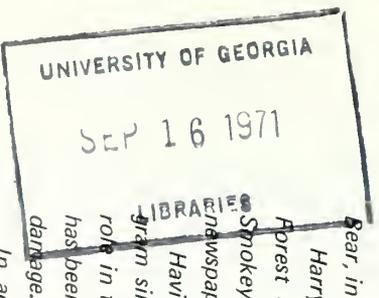
Having been closely associated with the Smokey Bear Program since its inception in 1944, Rossoll has played a major role in the accomplishments of the "Smokey" program which has been estimated saving the nation \$15 billion in forest fire damage.

In addition to "Smokey", Rossoll has coordinated huge forest conservation exhibits in Georgia, North Carolina and Oklahoma. The Georgia exhibit filled a space of 16,500 square feet. Other conservation exhibits, built under his direction, are used each year in smaller fairs across the South from Virginia to Texas.

Rossoll, as art supervisor, was responsible for the layout of all publications for Region Eight. These include conservation brochures, maps of camping areas, annual reports and special reports.

He frequently appeared at youth conservation camps and on TV presenting a chalk talk on "Smokey" and fire prevention. The chalk talks were accompanied by a musical show; the trumpet being another of his talents.

This man of many talents was literally a one man forest fire prevention force. Rossoll's dynamic personality and talent combined to make him one of the South's and nation's top conservation spokesmen.



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Georgia

375

FORESTRY

Merry Christmas



Georgia Forestry

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CONTENTS

Forestry Goals For Georgia.....	3
Forest Survey Is Two-Thirds Complete	
Fusiform Rust Survey Underway.....	4
Way Cleared For Fire Lab Addition.....	5
Tree Seedlings Available	
Holly Among Georgia Champs.....	6
Rural Air Quality Tested.....	7
Bumper Slash Pine Cone Crop Collected.....	8
Weather Forecast Center Relocated	9
Forestry Faces and Places.....	10-11
Bull Creek Named Watershed Of The Year.....	12
Shade Tree Care Check List.....	13
Letters.....	14
Logging The Foresters.....	15

Cruising The News

Honors For The Lowly Tree

We need to recognize the tremendous contribution the tree, its products and by-products make to the economy of the state. Recently the National Forest Products Week was observed. Many states now hold Forest Festivals which are sponsored by the American Forest Institute.

This industry ranks only second to tourism in importance in many southern regions. Many of our manufacturing plants rely on the forest for their raw materials. Timber is grown and harvested as a crop in most of the state's counties. We are finding Georgia taking her rightful place in selling lumber to meet the nation's needs in building and construction.

In addition to lumber and pulpwood to supply our paper mills, our forests supply raw materials for such products as chemicals, perfumes, cosmetics, adhesives, billiard balls, bubble gum, explosives, fertilizer, plastics, paint, soap, synthetic rubber and scores of other uses.

We find that our forests are self renewing. We are also planting many million seedlings each year to replace trees that have already been harvested. Also, new plots are being planted to keep the forest industry growing instead of declining.

We have the typical climate, sufficient rainfall, and ample labor supply to see that the no longer "lowly trees" become one of our best money makers. Tree growers should keep their trees worked and ready for harvest. Then quickly every tree cut should be replaced.

We have a number of industries in our own county who depend on our forest lands for growth and prosperity for this entire section of Georgia.

(From the Lanier County News)

Vital Research Done By Forest Fire Lab

If some people can't see the forest for the trees, they ought to at least be grateful that we still have some trees. And part of the credit for that goes to the Southern Forest Fire Laboratory in Macon, a little known but very definite asset not only to this area but to the nation.

The lab celebrated its 10th anniversary in May of 1970. When it opened on Riggins Mill Road in 1959, it was the first scientific laboratory in the world established for the study of forest fires.

Since then the laboratory has won worldwide recognition for its experiments. It has been credited with significant contributions to fire research on both the regional and national level.

For example, the lab pioneered the use of aerial sprays with fire-retardant chemicals in the South.

If the need for the laboratory is not apparent, some figures should show it. In the 13 Southern states alone, there is more than \$15 billion worth of timber growing. Even with the best fire protection practices now available, we are losing some \$70 million of this inventory each year to forest wildfires.

The laboratory just the other day received clearance for construction of a \$1.68 million addition, including 35 offices, a library, and 19 specialized laboratories and environmental chambers to provide facilities for 22 more scientists and 29 more support personnel.

These new facilities will enable the Forest Service to step up research into better ways of controlling blowup fires in the South and to improve techniques for the use of fire as a forest management and fire prevention tool.

In the South, only 10 percent of the forest fires are blowups, but these cause 90 percent of the damage.

We are glad to have the Southern Forest Fire Laboratory in Macon. May its success continue in the expanded facilities.

(From the Macon Telegraph)

The Goals for Georgia Forestry Subcommittee has prepared a report containing nine primary issues and recommendations for consideration by Governor Jimmy Carter, members of the General Assembly and the National Congress from Georgia.

Chairman Ray Shirley, director, Georgia Forestry Commission said the issues included "Ad Valorem Tax-Forest Land and Timber", "Financial Assistance-Reforestation", "Forest Protection-Fire, Insects and Disease", and "Tree Improvement-Forest Genetics".

Others are "Forest Education Rural and Urban-Adult and Youth", "Forest Research", "Landowner Liability-Public Users" and "Standard Weights and Measurements-Forest Products".

A recommended special priority was the recognition of Dr. Charles H. Herty for his contribution to forestry.

period; and develop realistic forestry programs to reach the desired goals, representing a balance between economic and social values.

The Forestry Subcommittee was represented by a good cross section of the people who own forest land, and are affected the most by problems relating to forestry. These included both large and small landowners from rural and urban areas, industry, conservation leaders, farm and forest organizations, educators and foresters.

It was from this group of 75 people that the Forestry Workbook was compiled. The committee was divided into seven discussion groups with each assigned a specific area of forestry. The forestry areas were "Forest Protection", "Marketing and Utilization", "Management and Timber Stand Improvement", "Genetics and Reforestation", "Educa-



Forestry

The primary issues were derived from replies to a forestry workbook distributed to a cross section of forestry interest-citizens throughout Georgia. These people comprised the Conservancy, Forestry Association, Farm Bureau, County Agents, Soil and Water Conservation District Supervisors and Forestry Boards. Others were Federated Women's and Garden Clubs, Professional Foresters, Vocational Agricultural Teachers, Conservation, Farm and Educational Leaders and others.

Workbooks were mailed to 3,750 individuals. There were 650 books completed and returned.

Shirley emphasized that the overall purpose of the survey was to identify forestry problems, and determine solutions to alleviate them; set priorities among the most important forestry issues to be solved; establish forestry goals for the next biennium and five year

tion, Environment and Urban", "Taxation" and "Research".

Shirley keynoted the meeting. Specific areas of concern were focused on by Adron Harden, legislation and commodity director, Georgia Farm Bureau, Macon; Harold Joiner, executive director, Georgia Forestry Association, Atlanta; Walt Myers, executive vice president, Forest Farmers Association, Atlanta; and Walt Stone, wood procurement forester, Continental Can Company, Savannah.

The Forestry Subcommittee was under the committee on Food-Fiber-Mineral Environment headed by Dr. Gene Younts of the Rural Development Center, Tifton.

Recently the Board of Regents named Younts vice president, University of Georgia, in charge of services. He succeeds J. W. Fanning, Athens, who retired.

Survey Is Two-Thirds Complete

The Forest Survey of Georgia's 37.7 million acres is two-thirds complete, announces Nolan Snyder, field supervisor for the survey.

Snyder said that the mid November report shows that the southern piedmont, Unit Three, is 60 percent complete. The expected completion date for the Unit is February 1972.

He pointed out that the preliminary report, on the southeastern section of the coastal plain, Unit One, will be ready for release in December 1971.

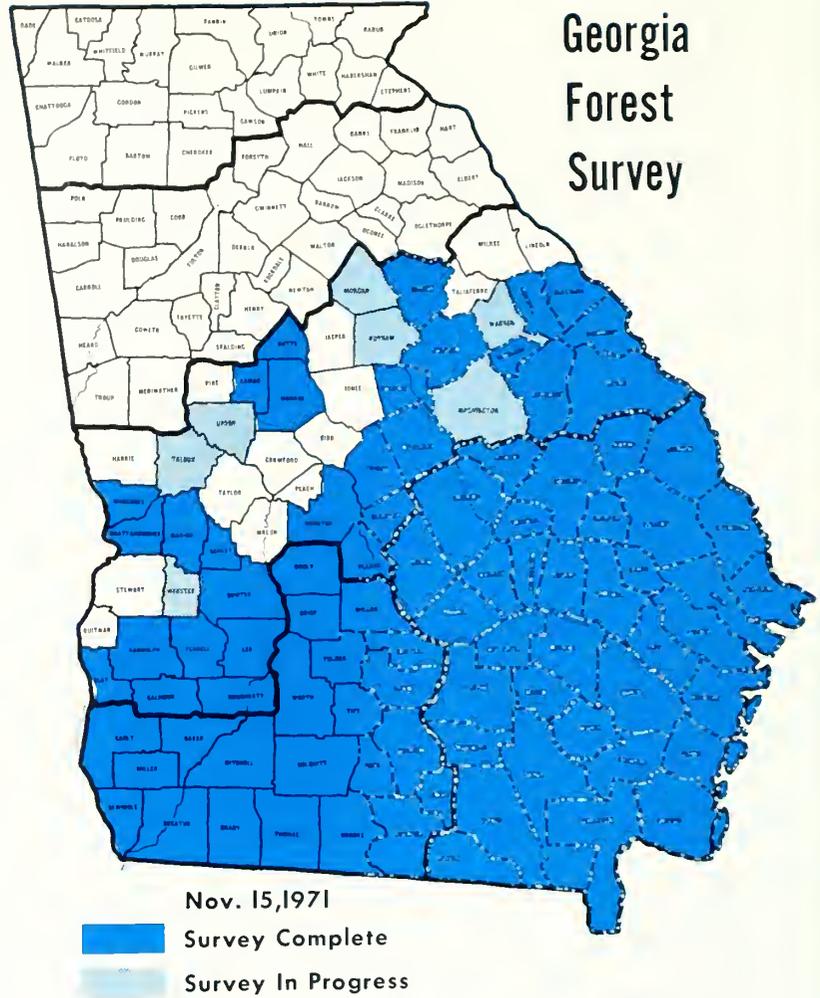
It is estimated that the statewide survey will require visiting and tabulating conditions at 6,100 separate forest plots. The estimated completion date for the survey is November 1972.

The Georgia Forestry Commission furnishes one man in each county to the survey. Two men make up a survey team.

The survey field office is located in Milledgeville. The state headquarters, for the survey field work, is the Georgia Forest Research Council at the Georgia Forestry Center near Macon.

The Forest Survey is being conducted by the Southeastern Forest Experiment Station, Asheville, N.C. Joe P. McClure is the survey project leader.

Georgia Forest Survey



Fusiform Rust Survey Underway

A fusiform rust disease survey of Georgia forests is being conducted by Georgia Forestry Commission foresters. The purpose of the survey is to determine the annual loss of timber to the disease, according to W. H. McComb, chief, Commission Forest Management Division.

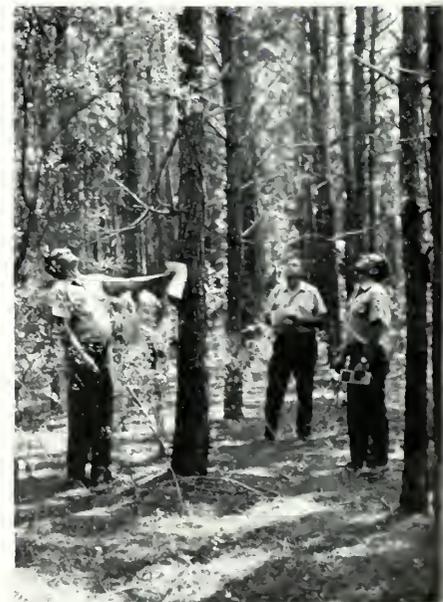
McComb pointed out that through the survey we will be able to establish the intensity of infection so that the landowner can make a decision as to future management, define rust hazard zones and determine where it is safe to establish new plantations.

The survey of the state is slated for completion in December, McComb added. The first U. S. Forest-Georgia Forestry Commission report will be released by the end of the survey.

To initiate the job, the state was grided at ten mile intervals, east-west and north-south. A plantation within an 8-12 year age range, located at or near the intersection of the grid lines, is surveyed. The sample trees within the plantation are tabbed healthy or having a stem canker, branch canker, stem and branch cankers or killed by fusiform rust disease.

The collected data is sent to the U. S. Forest Service, Region Eight, Atlanta for analysis by the Environmental Protection and Improvement Unit, State and Private Forestry.

Prior to conducting the survey, training sessions were held in Bibb, Fulton and Ware Counties. They were conducted by the Environmental Protection and Improvement Unit.



The sample trees are recorded as killed, healthy or having cankers on the stem, branch or both.

Way Cleared For Fire Lab Addition

Representatives of the Georgia Forest Research Council and the Forest Service, U. S. Department of Agriculture, have executed a long-term lease which clears the way for the construction of a \$1.68 million addition to the Southern Forest Research Laboratory at Macon. Plans are under way for groundbreaking in early 1972.

The 99-year agreement makes part of the land, adjacent to the Fire Lab, available to the U. S. Forest Service for the expansion of the additional facilities. The Georgia Forestry Commission also will execute a lease involving 1.8 acres needed in the additional construction and parking area.

A bill, providing necessary funding, has been passed by Congress through the efforts of Georgia Sixth District Congressman John J. Flynt, Jr. of Grifton. Congressman Flynt had been working since 1964 to secure a federal appropriation for the fire lab addition.

The Georgia congressman, who participated in signing the lease, cited the work of the lab since its inception 11 years ago. The legislator noted that scientific prescription burning and other control methods have reduced acreage

Congressman Flynt signs 99 year agreement. Other signees are, l-r, Dr. Stephen G. Boyce, Wallace Adams and H. E. Ruark.



lost to wildfire. However, wildfires still char and damage more than 2.5 million acres of forest annually illustrating a continued need for research, Congressman Flynt added.

Others participating in the signing of the lease were Wallace Adams, Greenwood, chairman, Georgia Forest Research Council Board of Commissioners; H. E. Ruark, Macon, director, Georgia Forest Research Council; and Dr. Stephen G. Boyce, Asheville, N. C., director, Southeastern Forest Experiment Station.

Plans for the addition include 35 offices, a library, and 19 specialized laboratories and environmental chambers to provide facilities for 22 more scientists and 29 additional support personnel.

The contract also calls for limited renovations of the present building, including modifications of a large wind tunnel and a multi-story combustion room.

According to Dr. Boyce the new facilities and the increased staff will enable the U. S. Forest Service to intensify its research to develop better ways of controlling blowup fires in the South and to improve techniques for the use of fire as a forest management and fire prevention tool.

In the South 10 percent of the fires cause 90 percent of the damage. These

are what foresters call blowup fires. "The blowup fire is usually triggered by unique combinations of weather conditions. Gusty, shifting winds, changes or movements in weather fronts, atmospheric pressure troughs, and unstable air masses at altitudes up to 5,000 feet combine to create powerful convection forces that twist the fire out of control," Dr. Boyce explained.

If scientists can learn to predict these conditions through meteorological research, firefighters will be able to use their men and equipment both more safely and more effectively, he emphasized.

In connection with the study of blowup fires, the U. S. Forest Service hopes to develop techniques for using aircraft in the control of these fires. Igniters or fuses may be dropped from aircraft ahead of a fast-moving wildfire to burn out a safety strip.

The present laboratory was built in 1959 by the Research Council. It is staffed by the Southeastern Forest Experiment Station through a cooperative agreement.

When it was established, the laboratory was the first of its kind in the world to be devoted to research on forest fires. Research during the past 11 years has helped to bring better protection to forests on both regional and national levels.



Georgia Sixth District Congressman John J. Flynt, Jr. addresses gathering at lease signing ceremonies. Participating are, l-r, Dr. Stephen G. Boyce, director, Southeastern Forest Experiment Station and Wallace Adams, chairman, Georgia Forest Research Council Board of Commissioners.

Tree Seedlings Available

The Georgia Forestry Commission has approximately seven million tree seedlings left for sale to Georgia landowners. The initial crop was 48.6 million trees.

The total crop was reduced approximately 20 percent due to high winds and rain at the Herty Nursery, Albany; hail storms at the Morgan Nursery, Byron; and hail and high winds at the Davisboro Nursery.

Ray Shirley, Forestry Commission director, stated that slash and improved loblolly pine seedlings constitute 70 percent of the remaining trees. The cost per thousand is \$6 for the improved loblolly and \$5 for the slash pine.

Shirley also announced an abundance of red cedar and dogwood species. Red cedar make excellent Christmas trees, fence posts, windbreaks and hedge rows. Other than its ornamental use, dogwood, as a specialty wood, brings a good market price. The red cedar is priced at \$10 per thousand and dogwood at \$25 per thousand trees.

Upcoming special beautification occasions for tree planting include Make Georgia Beautiful Month in January,

APPLICATION FOR NURSERY STOCK
 GEORGIA FORESTRY COMMISSION MACON, GEORGIA 31202
 P.O. BOX 819

ORDER NO. _____

NAME OF APPLICANT _____ PHONE NO. _____
 ADDRESS _____ CITY _____ ZIP CODE _____

IF SEEDLINGS ARE TO BE DELIVERED TO SOMEONE OTHER THAN APPLICANT, COMPLETE THE FOLLOWING:

AGENT'S NAME _____ PHONE NO. _____
 ADDRESS _____ CITY _____ ZIP CODE _____

DELIVERY DESIRED AS SHOWN BELOW

DATE	SPECIES	NUMBER OF SEEDLINGS	COUNTY OF PLANTING	FOREST DISTRICT

TYPE OF OWNERSHIP (Check one)

- 1. Private persons, Clubs, Associations & Private Schools.
- 2. Private Forest Industry - Lumber Mfg.
- 3. Private Forest Industry - Pulp & Paper.
- 4. Private Forest Industry - Naval Stores, Plywood, etc.
- 5. Private other industry lands.
- 6. Town, County, and Public Schools.
- 7. State and other Public Lands.
- 8. Federal Government
- 9. Other (Specify): _____

METHOD OF SHIPMENT:

1 STATE TRUCK TO COUNTY FORESTRY DIVISION

(Check one)

2 APPLICANT WILL PICK UP AT NURSERY

SEEDLINGS RECEIVED IN GOOD CONDITION

I HEREBY CERTIFY THAT I DESIRE TO PURCHASE THE ABOVE NURSERY STOCK UNDER CONDITIONS PRINTED ON THE BACK OF THIS FORM

PAYMENT \$ _____ DATE _____ SIGNATURE _____

DO NOT WRITE BELOW THIS LINE

NURSERY ASSIGNED: DAVISBORO HERTY WALKER MORGAN

Richard B. Russell Beautification Day, February 10 and Arbor Day, February 18.

Other available species and cost per thousand are longleaf, shortleaf and Virginia pines, \$5; bicolor lespedeza, \$6; and eastern white pine, \$9.

Priced at \$10 per thousand are Arizona cypress, black walnut, catalpa, baldcypress, black locust, sawtooth oak and yellow poplar.

A transportation charge of 50 cents per thousand trees must be added to the above costs if trees are delivered by state truck to county ranger headquarters.

James C. Wynens, chief, Commission Reforestation Division, emphasizes that payment must accompany all orders before shipment can be made.

Wynens pointed out that seedling application forms can be obtained from the Forestry Commission county rangers, county agents, Soil Conservation Service technicians and Agricultural Conservation Program officers. All orders must be submitted on a Forestry Commission application form.

For assistance in determining your reforestation needs, contact your local county forest ranger.

Holly Among

With the holiday season upon us the one native tree which is probably thought of by most of us is the American holly (*Ilex opaca*). "Deck the halls with boughs of holly" runs the familiar Christmas carol, and many homes are indeed decorated with sprigs of the glossy-leaved, red-berried plant.

Hollies attain great size but these holly giants are rare. The American Forestry Association in their continuing search for the largest specimens of trees lists in their "Social Register of Big

Trees" an American holly near Hardin, Liberty County, Texas as the largest known. This tree, in 1964, had a circumference of 160" at breast height (4½'), was 53' high, and had a 61' spread.

Is it possible that Georgia has a holly that can top the American Forestry Association recognized Texas holly?

Some known large Georgia hollies are Ben Hill County-a 109" berried holly 46' high with a 61' spread, near the home of Mr. and Mrs. E. L. Snowden



Holly

Rural Air Quality Tested

A cooperative project to determine the level of air quality in rural Georgia is nearing completion, according to Darold E. Ward, research forester, Southern Forest Fire Laboratory, Southeast Forest Experiment Station, U. S. Forest Service, Macon.

Cooperating in the Rural Air Quality Study are the Air Quality Evaluation Service, Georgia Department of Public Health, Georgia Forestry Commission, International Paper Company and the U. S. Forest Service.

Ward, who is coordinating the field work, emphasized that the study will help determine what the concentration of particles in the air is in rural locations. The influence of rural on urban and urban on rural will be noted.

Ward pointed out that the rural sampling periods coincide with the urban sampling periods. The rural sampling locations also are adjacent to the urban locations. Through this arrangement, data from both areas can be compared to indicate the influence one has on another. William Estes, director, Air Quality Evaluation Service, is in charge of the urban sampling.

There are ten rural sampling stations of which seven are located at Georgia Forestry Commission facilities. The locations are Buchanan, Haralson Co.; Good Hope, Walton Co.; Griffin, Spalding Co.; Lumpkin, Stewart Co.; McRae, Wilcox Co.; Louisville, Jefferson Co.; and Waycross, Ware Co.



The difference in weight before and after sampling gives the weight of particles per volume of air. Darold E. Ward, research forester, USFS, conducts the testing.

Others are Brasstown Bald, Union Co., and Townsend, McIntosh Co., both operated by the USFS. The remaining station is operated at International Paper Company's Southlands Experiment Station near Bainbridge in Decatur Co.

The urban stations are located in Albany, Augusta, Brunswick, Columbus, Gainesville, Lyons, Macon, Rome, Rossville, Savannah and Valdosta.

Ward added that the sampling station works like a vacuum cleaner. A blower drags the air through a fiber glass, mesh filter paper. The paper traps the particles. The paper is sent to the Fire Lab

and weighed. The difference in weight before and after sampling gives the weight of particles per volume of air.

The study, which began in November 1971, will continue until March 1972, Ward said.



Spencer McGraw, ranger, Haralson-Polk Forestry Unit, inserts filter paper which traps particles in the air.

Georgia Champs

Ward. Crawford County—a 133' forked specimen, 51' high, with a 39' spread, two miles southwest of Roberta and one mile north of Ga. 28 at the home of Mr. Mrs. C.B. Moncrief. This tree is the reigning Georgia champion holly.

Early County—a 109" tree, 46' high with a 48' spread, off Georgia highway about one-half mile south of Clay County—Early County line.

Houston County—a 111" berried holly which is 46' high with a spread of 28',

located at 137 Napier Avenue, Warner Robins.

Let us hear of other big hollies and see if Georgia has the largest. Send your nomination to John H. Gruver, chairman, Big Tree Committee, Holly Society of America, Inc., 4322 12th Street, St. Simons Island, Ga. 31522 and Frank Craven, chief, Forest Education Division, Georgia Forestry Commission, Box 819, Macon, Ga 31202.

By John H. Gruver

Bumper Slash Pine Cone Crop Collected

The Georgia Forestry Commission has completed its largest cone collection drive in the past ten years, announced Ray Shirley, Forestry Commission director. He noted that 1971 was the best slash pine cone crop year Georgia has experienced in a number of years.

From the last of August through the first of October, the Forestry Commission purchased 40,839 bushels of slash pine cones. The cones were collected in Middle and South Georgia.

James C. Wynens, chief, Forestry Commission Reforestation Division, said that the initial yield was .7 pounds of seed per bushel. This provides the Forestry Commission with a sufficient quantity, along with seed collected from our Tree Improvement Program, to amply supply needs over the next five years. Until used, the seed are kept in cold storage.

In addition to cones purchased from dealers and pickers, Forestry Commission county unit personnel harvested 6,367 bushels of slash pine cones and 4,604 bushels of loblolly pine cones from the Arrowhead and Horseshoe

Bend Seed Orchards. For the past two years, all loblolly tree seedlings have been produced from improved seed. The best previous collection year was 1968 when 3,542 bushels of improved slash pine cones were harvested. There were 4,048 bushels of loblolly pine cones harvested in 1970.

Another 10,475 bushels of slash pine and 9,860 bushels of loblolly pine cones were processed for industry. The cone and seed processing service is available to industry and other woodland owners at cost provided seed are used for reforestation purposes on their own property.

Other seed collected, for the Forestry Commission's tree seedling program, included black walnut, sawtooth oak, white oak, dogwood, sycamore and sweetgum. These were collected by Forestry Commission personnel.

Wynens added that it will take approximately eight weeks to process and clean the seed. The cone drying kiln and seed processing facilities are capable of handling approximately 6,000 bushels of cones per week.



Dry Kiln



Slash Pine Cone Collection



Storage



Seed Orchard Cone Collection

Weather Forecast Center Relocated

Claude Hall, forestry meteorologist, gathers data in Atlanta office for fire weather forecast.



The origination of daily fire weather forecasts, outlooks and other meteorological support, to forestry interests in Georgia, has been moved from the Georgia Forestry Center near Macon to the National Weather Service Forecast Office at the Hartsfield Atlanta International Airport.

A teletypewriter circuit connects the Forestry Meteorology Unit at Atlanta with the Georgia Forestry Commission headquarters near Macon. The change was brought about through the reorganization of the national forecast system which provides for a well-staffed and better equipped forecast center.

Teletype circuits, of which two or three are desirable to have to perform a knowledgeable position; remotes weather radars; readout of satellite data; forecaster's facsimile and other equipment are available in Atlanta that were not available at the fire weather

office in Macon.

Paul H. Hagerty, who was in charge of the fire weather office at Macon, was transferred to Fort Worth, Texas. Hagerty was promoted to full-time coordinator of the Forestry Meteorology Programs in the Southern Region.

Claude Hall, forestry meteorologist, Atlanta, is heading up the Georgia Program.

Hall had been a staff forecaster at Knoxville, Tenn. where he provided specialized forecasts for the Tennessee Valley Authority and acted in an advisory and consultant capacity. Other duties have included student trainee for the Department of Meteorology at Florida State University, Tallahassee; and the Hurricane Research Project, West Palm Beach, Fla.

The Atlanta native majored in Meteorology at Florida State. He has participated in the forecaster training program at the National Meteorological Center, Silver Springs, Md.

During the Korean conflict, Hall was an observer and forecaster in the U. S. Air Force. He is a member of the American Meteorological Society.

Hall is married to the former Marian Nightingale of Hartford, Conn. They have two children, Susan, eight; and Warren, three.



The Georgia Forestry Commission office and the Forestry Meteorology Unit at Atlanta is connected by a teletypewriter circuit. The operator is Mrs. Judy Dennis.

Forestry Faces

► Mrs. Maggie Wimberly Symonds, 58, of Macon has died following an extended illness. Mrs. Symonds had been with the Georgia Forestry Commission for 13-years.

At the time of her death, she was a clerk with the primary responsibility of secretary to the shop. In her capacity, Mrs. Symonds handled surplus property orders and kept surplus property sales, cone collection and equipment records. She came with the Forestry Commission as a typist.

Mrs. Symonds, along with her husband, Homer L. Symonds, was a member of the Stone Creek Baptist Church where she was past superintendent of the Young People's Department.

Ray Shirley, Commission director, noted that the services of these two employees were a tribute to family, community and state. They were dedicated to their jobs, and both had a high regard for responsibility.

► Winslow H. "Ham" Verdery, 50, of Hartwell has succumbed.

The northeast Georgia Woodland owner, pulpwood dealer and civic leader was a native of Harlem. He had resided in Hartwell for the past 15 years. Verdery was president of East Georgia Pulpwood, Inc. with yards in Elberton and Canon.

This past year he was elected vice president of the Georgia Forestry Association where he had served as director for a number of years.

Verdery was a member of the Hartwell Rotary Club, American Legion, Elberton Elks Club, Yaarb Temple and the Hart County Zoning Commission.

Noll A. Van Cleave, president, GFA, cited Verdery as a member who gave freely of his time and talents and whose council was taken in high regard.

Retirement

► James T. "Tom" Boston, ranger, Bartow County Forestry Unit, has retired after 33-years service with the Georgia Forestry Commission.

Boston came with the Forestry Commission in October 1938 as a patrolman with the Bartow County Unit. He was promoted to ranger of the facility in April 1945.



Memoriam

► Wilson H. Wright, 28, of Marietta, died recently following an extended illness.

At the time of death, Wright was the acting coordinator for the Georgia Forestry Commission's Metro Forestry program. He came with the Forestry Commission in May 1966 as a forest technician, and was promoted to forester in 1967, serving Cobb County as a Metro forester.

Atlanta area TV viewers will remember Wright as the host for the Commission's "Metro Forestry" show.

The registered forester was a member of the Georgia Chapter, Society of American Foresters and the University of Georgia School of Forest Resources Alumni Association. He was a member

of the Georgia National Guard.

Prior to coming with the Forestry Commission, Wright was an assistant technical forester with Brunswick Pulp and Paper Company.

Wright was a graduate of the University of Georgia School of Forest Resources, Athens and Abraham Baldwin Agriculture College, Tifton. At Georgia he was a member of the Wesley Foundation and 4H Club.

The native of Woodbine was married to the former Janice Lynn Johnson of Duluth. They were members of the St. Andrews United Methodist Church in Marietta. Wright was a lay speaker for the North Georgia Conference, evangelism chairman, assistant chairman of the Board and choir member.

Award

► Mrs. Charles P. Yarn, Jr., Atlanta housewife and civic leader, has been named winner of a 1971 American Motors Conservation Award.

Mrs. Yarn was selected for her ceaseless fight to preserve islands and marshes along the Georgia coast. Through her efforts with the Georgia Conservancy, the Nature Conservancy, SAVE and local garden clubs, she has contributed significantly to the preservation of Egg, Wassaw and Wolf Islands, and has created an awareness among the public of the value of the coastal islands and



The award was made by the American Motors Board

And Places



Tom Boston - Ray Shirley
At the time of his retirement, Boston had the longest continuous forestry radio program in the state. For 25-years, he had been conducting a weekly radio program over radio station WBHF in Bartow County.

A graduate of Atlanta Business College in 1926, Boston was a Royal Arch Mason, a past member of the Bartow County Farm Bureau and the Allatoona Hunting and Fishing Club.

The native of Bartow County is married to the former Edna Tidwell of Bartow County. They have three children, Rayne, Sandra Nally and Tommy.

Ray Shirley, Forestry Commission Director, praised Boston for his dedicated service to the people of Bartow County who benefited from his fire prevention and suppression activities. He commended Boston's efficiency and dedication as a tribute to the state and his family.

Approximately 49 percent of the forest acreage is farmer-owned. Industry-owned forest acreage is about 15 percent. Miscellaneous private ownership accounts for 34 percent. The forest acreage has a growing volume of 172.8 million board feet of sawtimber and 1.4 million cords of pulpwood.

In 1970 there were 16,250 cords of round pulpwood produced. The highest productive year was 1963 when 27,049 cords were harvested. Since 1946 production has totaled 361,873 cords of round pulpwood.

There are three wood-using industries in the county employing 33 people with an annual payroll of approximately \$200,000. The products of these industries include green, kiln and air dried lumber, crossties, pallets, millwork and trusses.

SCL Winner

► A youthful interest in forestry has developed an 18-year old FFA member, Mike H. Buckner of Junction City, into a state winner in the Seaboard Coast Line Forestry competition. His interest in forestry began at an early age as the

result of a conservation minded father, Harvey H. Buckner, who was ranger of the Talbot County Forestry Unit of the Georgia Forestry Commission for 12 years.

Judging Buckner's project was Alan Fowler, forester, Seaboard Coast Line Railroad. The young conservationist planted 50,000 tree seedlings, controlled scrub hardwoods on 35 acres, interplanted five acres of pine plantation with red cedar for Christmas trees, salvage cut two acres, constructed three and one-half miles of firebreaks and marked 80 acres for cutting. Buckner harvested 85 cords of pulpwood and 285 fence posts.

As a result of being the state winner, Buckner received a cash award, and joined other state forestry winners for a trip to Cleveland, Ohio and Washington, D. C. where the winners were recognized by area, civic and business leaders.

Working with Buckner was his Agriculture teacher Dewey H. Turner, Jr. of Central High School.

Presently, Buckner is attending Abraham Baldwin Agriculture College at Tifton. He is the son of Mr. and Mrs. Harvey H. Buckner of Junction City.



► George D. Walker, Athens, extension forester, Cooperative Extension Service, has been elected chairman of the Georgia Environmental Education Council. He succeeds Frank E. Craven, Macon, chief, Forest Education Division, Georgia Forestry Commission. Other officers are Chairman-elect Bob Oertel, Athens, assistant state conservationist; and Secretary-treasurer Charles B. Place, Jr., Macon, Forestry Commission education assistant. Walker said that the 1972 Georgia Natural Resources Use Institutes, which the Council coordinates, will be held at Shorter College, Rome, June 12 and at Valdosta State College June 19. Each teacher institute runs for three weeks. Address inquiries to Walker, Cooperative Extension Service, University of Georgia College of Agriculture, Athens, Ga. 30601.

BARTOW COUNTY

There are 201,200 forest acres in Bartow County. This represents 66 percent of the land area.



Georgia Watershed Receives National Recognition

The Bull Creek Watershed, nestled between Pine Mountain and the Chattahoochee River in the western most part of Central Georgia, is the 1971 Watershed of the Year. The watershed, 44,531 acres, was given the honor by the National Watershed Congress.

This is the second Georgia watershed to be honored. The Little Tallapoosa River Watershed received national recognition in 1965.

The Bull Creek Watershed, an urban endeavor centered around Columbus, was the first of its kind in the United States. The primary objective of the watershed was to install a combination of land treatment and structural measures which would provide full protection for the main part of the residential and other urban areas for a 100 year frequency rainfall runoff.

Land treatment measures for flood prevention included critical area tree planting, forest fire control, roadside erosion control and planting of grasses and legumes on critical areas.

The structural measures consisted of 11 floodwater retarding structures and 12 miles of channel improvement.

Overall, flood and sediment damages, in the 10 years prior to the establishment of the watershed, averaged \$132,000 a year, according to the Soil Conservation Service. Project installations cut the damages to an estimated \$13,000 a year, a reduction of 98 percent.

The savings derived from the reduction in damages and the reduction in the number of bridges and culverts has been

costing taxpayers about \$10,000 annually in patch work. Thousands of dollars are being saved annually for after-flood clean up and repairs of silt-clogged ditches, washed out road shoulders and undermined streets.

Muscogee County has taken advantage of the watershed project to provide Columbus citizens with recreation in the form of parks, golf courses, fishing, water sports and other forms of recreation.

Completion of the watershed has made approximately 5,000 acres of flood plain land available for home construction and industrial development. At a conservative \$5-\$6 thousand an acre, this land is now worth \$25-\$30 million.

The tax digest is also benefited. Much land, formerly unuseable for development because of flood conditions, is now being developed, adding substantially to the tax digest.

The original benefit-cost ratio of the watershed was 2.5 to 1. This was later changed to 5.4 to 1 with the development of a public park. Conceivably, the watershed could cost as much as \$7-\$8 million.

In the watershed, the Georgia Forestry Commission has developed forest work plans, conducted critical area plant-

Lake Heath Park was the first structure completed in the Bull Creek Watershed. It is an example of flood control and recreation. The cooperation between the County Recreation and Parks Department and the Georgia Forestry Commission, was responsible for the thinning and tree planting in the area. The watershed forester named and tagged the different species of trees in the Park as well as in other structures throughout the watershed.

ing on areas designated by the Soil Conservation Service, furnished technical assistance and provides fire detection and suppression facilities.

Tree planting was carried out on 1,592 acres. Technical management assistance was provided on 17,456 acres. In addition 181 check dams were constructed by Commission personnel.

The planned land treatment measures were installed by landowners under cooperative agreements with the Pine Mountain Soil Conservation District. Land treatment measures for flood prevention on non-federal lands were established by the landowners and by contract administered by the sponsoring organizations. Structural measures were constructed under contracts administered by Muscogee County.

The Bull Creek Watershed is a result of the cooperation between federal, state and local government agencies and the interest of local garden clubs, civic organizations and the general public. The Muscogee County Commissioners of Roads and Revenue and the Pine Mountain Soil Conservation District, as co-sponsors, entered into an agreement with the federal government to construct the watershed in 1961.



Shade Tree Care Check List For Georgia

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Planting -	Bare Root Species											
	Balled and Burlaped											
Fertilizing -	Normal Tree											
	Declining Tree											
Pruning -	Pines											
	Hardwoods											
Pest Control -	Dormant Sprays											
	Any Severe Infestation											
Watering - (during dry periods)												
Enjoying Their Beauty												

For further assistance, contact your local Georgia Forestry Commission Area, County Unit, District Office or the Forestry Commission Central Office at Macon.

LETTERS

EDUCATION

As a volunteer worker at a camp sponsored by the National Park Service and the City of Atlanta (at Kennesaw Mountain) I was in search of some programs that would provide some recreation and education for the night activities. I went to several agencies and asked for demonstrations, exhibitions, and other programs of interest to children who had experienced little of the area beyond the big inter-city.

I found in your department some of the finest cooperation, help, and interest that I have ever experienced in state government. Nell and Ruth Doverspike were most helpful in providing the literature that was so helpful in enabling me to present a program on forestry. The books, pamphlets and other devices were very much accepted by the children and provided a visual basis for the verbal remarks. The comic book was of much interest and the kids took an unusual interest in a program that would have otherwise been of little interest. Nell and Ruth Doverspike spent no small effort in giving me all I needed and assisted me greatly in selecting the proper materials.

These two fine ladies also directed me to the "Smokey" program. Bob Lazenby was excellent with his presentation and the "bear" went over big. Bob was well versed in his profession and the kids were very much enthused with his remarks and presentation. It is unfortunate that the limited resources prevent Bob from giving these presentations in camps all over Georgia. His message should be carried to every boy and girl in Georgia.

Robert L. Whatley
Land Department
City of Atlanta

I want to thank you for supplying Forestry Commission personnel to assist with the Education Materials Workshop here in Elbert County recently

John Rice, John Harrison and James Lunsford did an excellent job in representing the state in presenting the materials that your organization has available for the public. We were able to present these various materials to nearly all of the elementary teachers and to the science and social studies teachers in the Junior High and High Schools of Elbert County. I believe this is the only way that we can be sure that these classroom teachers receive the materials to what and how to obtain them.

I am enclosing copies of the student evaluation of our Institute for Frank Craven and Charles Place. As you can see from the comments all of the forestry people did an outstanding job, as usual. They are all to be commended very highly. I believe that overall this year was the best yet.

Clyde Connell
Head, Biology Department
Valdosta State College
Valdosta, Georgia

I recently was shown the pamphlet on "Hazards of the Forest" that was designed by Mr. Louie Deaton. It was very interesting the way he introduced the hazards and safety precautions for each.

I understand that this short pamphlet was derived from a larger pamphlet on outdoor safety. If this is so, would you please send me a copy of this publication, and any other information concerning outdoor education and outdoor safety?

This agency is interested in providing material such as this to our park visitors, and thought that the way you handled the problem was very unique.

Marshall L. Masek
Park Planner
Missouri State Park Board
Jefferson City, Missouri

FIELD TRIP

Words cannot express our thanks to Ranger John Rice and his staff for the "extra mile" they went to make the field trip for our second grade a success. The effort to which you all went to obtain and show the films, the packets you made up for us, and your overall helpfulness climaxed a successful unit of study.

Getting on and off the bus was an experience within itself for many of the children since they live near the school and walk. During the recall discussion of the trip, a number of them mentioned getting to eat on the grass and going to the bathroom!

The leaves provided inspiration and materials for the art period which we did after we returned to school. The rulers are an invaluable teaching aid for numbers as well as lines and spaces. I think the children will long remember the day they went to "the forestry".

We thank you for the work you are doing to protect our forests and for sharing your time with us.

Mrs. Norma Long
Blackwell Elementary School
Elberton, Georgia

EXHIBITS

There is no way for me to show my appreciation to you and your organization for the wonderful exhibit you had for our 1971 Southeastern Fair. It is people like you who made our Fair the success it was.

My thanks to you and we look forward to having you with us for 1972.

Mrs. "Sis" Hardy
Director, Special Activities
Southeastern Fair Association
Atlanta, Georgia

May we express our thanks to you and your personnel for your participation in the 1971 Georgia State Fair. We look forward each year to our association with you, because we believe this is the reason for a successful Fair.

R. M. Wade
General Manager
Georgia State Fair

TALK

The Sandersville Rotary Club is unanimous in its appraisal of Mr. Frank Craven's message, last Thursday at our regular meeting, as among the best in information and challenge to enlist support for the forestry program in the state.

Please accept our most sincere thanks for your inspirational and informative address.

A. Cleon Brooks
Secretary

TOUR

Our thanks to Mr. Louie Deaton for taking my Cub Scouts on the interesting tour and showing the movies. I know the boys enjoyed every minute and learned to be careful with camp fires and matches.

Mrs. Ann Veal
Den Mother
Den 3
Fairburn, Ga.

FIRE SUPPRESSION

On Saturday, August 14, we had a disastrous fire at our plant, which destroyed our Plant No. 1.

We would like to express our praise and thanks for the assistance given us by the Columbia Forestry Unit (Mr. Wayne Meadows, Ranger), who so ably assisted in keeping the fire under control; thereby saving our Plant No. 2 and Office Building. Without their help we feel sure our loss would be much greater.

George C. Craig, President
Georgia Vitrified Brick & Clay Co.
Harlem, Georgia

Logging The Foresters...

Service Awards

YEARS

James A. Henson..... Forester
Waycross, Ga.
Oct. 18, 1971

YEARS

Raymond H. Bazemore..... Ranger
Millen, Ga.
Oct. 17, 1971

William W. Beard..... Patrolman
Millen, Ga.
Sept. 1, 1971

William A. DeMore..... Ranger
Toccoa, Ga.
July 1, 1971

Charles S. Dunn..... Ranger
Chatsworth, Ga.
Dec. 16, 1971

Frank Edwards..... Towerman
Carrollton, Ga.
July 6, 1971

Herbert Chester Merritt.... Patrolman
Cedartown, Ga.
Nov. 1, 1971

PROMOTION...John R. Stone has been promoted to director of Forest Research Woodlands Experiment Forest, International Paper Company, Bainbridge, according to R. M. Nonnemacher, manager Southern Kraft Division Woodlands Department. Stone, who has been serving as regional forester for the Company's Georgetown, S. C. Woodlands Division, succeeds the late Barry Griffith.

FREE ATLAS...A voluminous reference atlas, concerning the natural distribution or range of 200 native conifers and important hardwoods of the continental United States and Alaska, has been published, announced Edward P. Cliff, Chief, U. S. Forest Service. "Containing more than 300 pages of text and large maps," said Chief Cliff, "this atlas provides a timely and valuable record for the majority of the original distribution of tree species in this country." The publication is by Dr. Elbert L. Little, dendrologist, USFS.

James D. Morris..... Patrolman
Dublin, Ga.
Oct. 22, 1971

William H. Reddick..... Patrolman
Hinesville, Ga.
Nov. 16, 1971

Herbert L. Ryals..... Patrolman
Hinesville, Ga.
Nov. 16, 1971

Charles W. Sullivan..... Towerman
Blue Ridge, Ga.
Aug. 13, 1971

C. D. Tillman..... Investigator
McRae, Ga.
July 5, 1971

Lawrence S. Tondee..... Ranger
Cordele, Ga.
Sept. 1, 1971

MEETINGS...THE Southeastern Section, Society of American Foresters, Birmingham, Alabama, January 26-28, 1972...SOUTHERN Forest Institute, Atlanta, February 29-March 1...AMERICAN Pulpwood Association, Atlanta, March 27-29...AMERICAN Turpentine Farmers Association, Valdosta, April 19...FOREST Farmer's Association, Savannah, May 4-5...SOUTHERN Fire and I&E Chiefs, New Orleans, Louisiana, May 24-25...GEORGIA Forestry Association, Jekyll Island, June 4-6...GEORGIA Chapter, Soil Conservation Society of America, Toccoa Falls, June 16-17.

APPOINTMENTS...B. E. ALLEN, director of Woodlands for Union Camp Corporation since 1965, has been appointed Corporate Land Agent. The announcement was made by Samuel M. Kinney, Jr., executive vice president, Union Camp Corp. Allen, who is headquartered in Savannah, will be involved with identifying and planning for the future use of certain lands owned by the corporation...VAUGHN HOFELDT has been named supervisor of the Chattahoochee-Oconee National Forests in Georgia, announced T. A. Schlapfer, forester, Region Eight, U. S. Forest Service, Hofeldt succeeds Darold Westerberg who was transferred to Washington, D. C.

SCHOLARSHIP...Keith W. Zeigler, Rincon, is this year's winner of the St. Regis Paper Company scholarship at the University of Georgia School of Forest Resources, according to M. G. Rawls, company general Manager, Southern Timberlands Division, Pensacola, Fla. His scholarship carries an \$800 cash grant for his junior and senior year. Zeigler's is the third consecutive scholarship won by a University of Georgia student. William Hoskins, Athens, last year's winner, will graduate at the end of the current academic year. Zeigler was selected by a team composed of the state foresters of Georgia, Mississippi and Alabama; Ray Shirley, Wendell D. Lack and C. W. Moody, respectively, and David Smith, fire control officer, Florida Forest Service, representing John M. Bethea, state forester.

FORESTER...B.G. "Bill" Gresham has been named state forester by the Arkansas Forestry Commission. He has served as acting state forester since the resignation of Virgil W. Cothren last July. Gresham served as management forester and forest entomologist for the Commission before being named to the administrative post. Gresham is a native of Arkansas. He attended Arkansas A&M College where he received his BS degree in Forestry in 1956. The state forester did graduate work in forest entomology at the University of Arkansas.



Miss Georgia Forestry Diane Brown, Columbus, represented the Muscogee Lions Club as a Peach Bowl Queen contestant in district competition at Griffin in November.

Georgia FORESTRY

December, 1971

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CHRISTMAS MESSAGE

WITH THE COMING OF CHRISTMAS, WE ARE AGAIN REMINDED OF THE GREATEST GIFT OF ALL, THE CHRIST CHILD. MAY WE ALL TAKE THIS MOMENT IN REDEDICATING OURSELVES TO HIS TEACHINGS, RENEWING OUR FAITH IN GOD AND IN GIVING OF OURSELVES TO THE BETTERMENT OF OUR FELLOW MAN FOR NOW AND EVERMORE.

IN THE SPIRIT THAT IS CHRISTMAS, WE EXTEND TO EACH BOUNTIFUL GIFTS OF FRIENDSHIP, THOUGHTS OF LOVE, HAPPINESS, GOOD HEALTH FOR THE COMING YEAR AND SINCERE APPRECIATION FOR THE MANY EXTENDED COURTESIES DURING THE PAST YEAR.

IN WARM APPRECIATION OF OUR PLEASANT ASSOCIATION, WE WISH FOR YOU AND YOURS A CHRISTMAS OF PEACE AND A NEW YEAR OF GOOD WILL AMONG MEN.



Ray Shirley
and Staff
Georgia Forestry Commission









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